5-4320-242-24P

TECHNICAL MANUAL

ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER: GASOLINE ENGINE DRIVEN; 350 GPM CAPACITY AT 190 FEETHEAD; WHEEL MOUNTED (GORMAN-RUPP MODEL 84C15-4A084) NSN 4320-00-916-9172 and (BARNES MODEL US36ACG) NSN 4320-00-407-2583

This copy is a reprint which includes current pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY
28 MAY 1982

D101.11:

READEX FICHE best copy available

CHANGE
No. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 September 1987

Organizational, Direct Support and General Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts and Special Tools)

PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER:
GASOLINE ENGINE DRIVEN; 350 GPM CAPACITY AT 190
FEETHEAD: WHEEL MOUNTED (GORMAN-RUPP MODEL 84C15-4A084)
NSN 4320-00-916-9172 and (BARNES MODEL US36ACG)
NSN 4320-00-407-2583

TM 5-4320-242-24P, 28 May 1982, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages	Insert pages
i and ii	i and ii
19 and 20	19 and 20
51 and 52	51 and 52

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

OFFICIAL:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-25A, Unit and Direct Support and General Support Maintenance requirements for Pump Assembly, Flammable Liquid, Bulk Transfer, Gas Driven, Wheel Mounted, 350GPM/190 FT Head (84C15-4A084) (US36ACG).

CHANGE
NO. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 6 December 1986

Organizational, Direct Support
and General Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts and Special Tools)

PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER:
GASOLINE ENGINE DRIVEN; 350 GPM CAPACITY AT 190
FEETHEAD; WHEEL MOUNTED (GORMAN-RUPP MODEL 84C15-4A084)
NSN 4320-00-916-9172 and (BARNES MODEL US36ACG)
NSN 4320-00-407-2583

TM 5-4320-242-24P, 28 May 1982, is changed as follows:

1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

Remove pages	Insert pages
17 through 20	17 through 20
31 and 32	31 and 32
45 and 46	45 and 46

2. Retain this sheet in front of manual for reference purposes.

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-25A, Organizational, Direct Support and General Support Maintenance Requirements for Pump Assembly, Flammable Liquid, Bulk Transfer, Gas Driven, Wheel Mounted, 350GPM/190 FT Head (84C15-4A084) (US36ACG)

Technical Manual
No. 5-4320-242-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 28 May 1982

ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER: GASOLINE ENGINE DRIVEN; 350 GPM CAPACITY AT 190 FEETHEAD; WHEEL MOUNTED (GORMAN-RUPP MODEL 84 C15-4A084) NSN 4320-00-916-9172 and (BARNES MODEL US36ACG) NSN 4320-00-407-2583

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

TABLE OF CONTENTS

		Page	Illus Fig
Section I.	INTRODUCTION	1	
Section II.	REPAIR PARTS	8	
Group 01	ENGINE AND EXHAUST SYSTEM	8	
	Muffler and Attaching Parts	8	1
	Engine and Mounting Hardware	10	2
Group 02	FUEL SYSTEM	12	
	Tank, Fuel and Components	12	3
Group 03	BATTERY BOX AND CABLES	14	
	Battery Box and Cables	14	4
Group 04	CONTROL PANEL AND GAGES	16	
	Plates	16	5
	Control Panel and Gages	18	6
	Control Panel	20	7

*This manual supersedes TM 5-4320-242-24P, 5 October 1972 including all changes.

TABLE OF CONTENTS - Continued

		Page	Illus Fig
Group 05	PUMP, STRAINER, GATE VALVE CHECK VALVE ASSY AND MANIFOLD	22	
	Gate Valve	22	8
	Gate Valve	24	9
	Check Valve	26	10
	Strainer	30	11
	Manifold	34	12
	Pump	36	13
Group 06	AIR ELIMINATOR	40	
	Air Eliminator	40	14
Group 07	WHEELS, AXLE, FRAME AND LIFTING COMPONENTS	42	
	Lifting Components	42	15
	Frame and Components	44	16
	Wheels and Axles	48	17
Section III.	SPECIAL TOOLS LIST (Not Applicable)		
Section IV.	NATIONAL STOCK NUMBER - PART NUMBER INDEX	51	

ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

Section I. INTRODUCTION

1. Scope.

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, general support, and depot maintenance of the pump assembly. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General.

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence.

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized for the performance of maintenance. (Not Applicable.)

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. This index is followed by a cross-reference list of reference designators to figure and item numbers.

3. Explanation of Columns.

a. Illustration. This column is divided as follows:

(1) Figure Number. Indicates the figure number of the illustration on which the item is shown.

(2) Item Number. The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) Source Code. Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items.

Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA -	Item procured and stocked for anticipated or known usage.
PB -	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply system.
PC -	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD -	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE -	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF -	Support equipment which will not be stocked but which will be centrally procured on demand.
PG -	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD -	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF -	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB -	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO -	Item to be manufactured or fabricated at organizational level.
MF -	Item to be manufactured or fabricated at the direct support maintenance level.
MH -	Item to be manufactured or fabricated at the general support maintenance level.
MD -	Item to be manufactured or fabricated at the depot maintenance level.
AO -	Item to be assembled at organizational level.
AF -	Item to be assembled at direct support maintenance level.
AH -	Item to be assembled at general support maintenance level.
AD -	Item to be assembled at depot maintenance level.
XA -	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB -	Item is not procured or stocked. If not available through salvage, requisition.
XC -	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
XD -	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded XA and support items as restricted by AR 700-42.

(2) Maintenance Code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	Application/Explanation
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.
F	Support item is removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, or specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes.

Code	Application/Explanation
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to designated, Specialized Repair Activity.
Z	Nonreparable. No repair is authorized.

B - No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) Recoverability Code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability Codes		Definition
Z	-	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
O	-	Reparable item. When uneconomically reparable, condemn and dispose at organizational level.
F	-	Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
H	-	Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
D	-	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	-	Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
A	-	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. National Stock Number. Indicates the National stock number assigned to the item and which will be used for requisitioning.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the item received may have a different part number than the part being replaced.

e. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42; which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item. (Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column.)

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. Quantity Incorporated in Unit. Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, (e.g., shims, spacers, etc).

4. Special Information.

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models and/or serial number range. Identifications of the usable codes used in this publication are:

Code	Used On	
AGY	Gorman-Rupp	Model 84C15-4A084
BYJ	Barnes	Model US36ACG

b. Detailed assembly instructions for items source coded to be assembled are found in TM 5-4320-242-14 and assembly components are listed immediately following the item to be assembled.

c. Repair parts kits and gasket sets appear as the last entries in the repair parts listing for the figure in which its parts are listed as repair parts.

d. The following publications pertain to the pump assembly and its components:

TM 5-4320-242-14	Operator, Organizational, Direct and General Support Maintenance Manual.
TM 5-2805-259-14	Operator, Organizational, Direct Support and General Support Maintenance Manual for MIL Standard Engine.
TM 5-2805-204-24P	Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List, for MIL Standard Engine.

e. In the parts list, some items are indented to show that they are a component or components of the item under which they are indented.

5. How to Locate Repair Parts.

a. When National Stock Number or Part Number is Unknown:

(1) Using the table of contents determine the assembly group within which the repair part belongs. This is necessary since illustrations are prepared for assembly groups; and listings are divided into the same groups.

(2) Find the illustration covering the assembly group to which the repair part belongs.

(3) Identify the repair part on the illustration and note the illustration figure number and item number of the repair part.

(4) Using the repair parts listing, find the assembly group to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

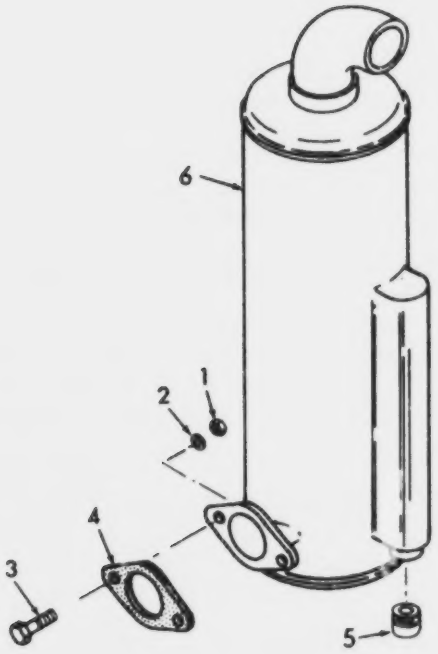
b. When National Stock Number or Part Number is Known:

(1) First. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) Second. After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations.

Abbreviations	Explanation
CD	Cadmium
CE	Commutator End
HD	Head
HEX	Hexagon
IN.	Inch(es)
INSTR	Instrument
LG	Long
LH	Left Hand
MTG	Mounting
NO.	Number
OD	Outside Diameter
PLTD	Plated
RD	Round
RH	Right Hand
SPEC	Specification
SQ	Square
SST	Stainless Steel
THD	Thread
THK	Thick



TS 4320-242-24P/1

Figure 1. Muffler and Attaching Parts.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 01 ENGINE AND EXHAUST SYSTEM		
1	1	PAOZZ	5310-00-732-9558	96906	MS51967-8	NUT,PLAIN,HEXAGON, MUFFLER MTG.....	EA	2
1	2	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, MUFFLER MTG.....	EA	2
1	3	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW,CAP,HEXAGON, MUFFLER MTG.....	EA	1
1	4	PAOZZ	5330-00-064-2494	97403	13206E0642	GASKET, MANIFOLD TO MUFFLER.....	EA	1
1	5	PAOZZ		05748	37578	PLUG,PIPE.....	EA	1
1	6	PAOZZ	2990-00-407-6393	97403	13214E6103	MUFFLER.....		

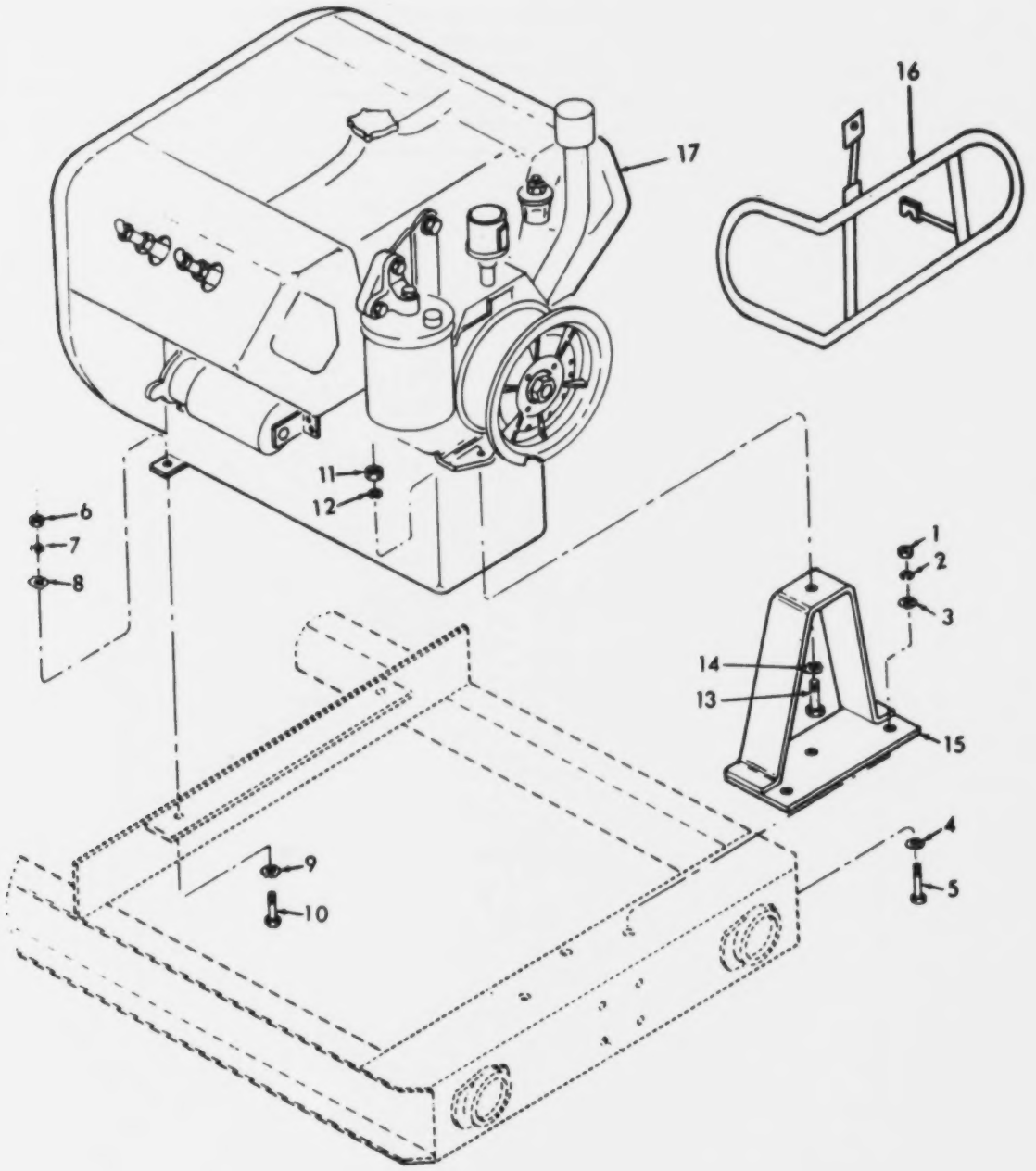


Figure 2. Engine and Mounting Hardware.

SECTION II

(1) ILLUSTRATION (a) FIG NO.	(b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
2	1	PAOZZ	5310-00-732-0858	96906	MS51967-8	NUT,PLAIN,HEXAGON, BRACKET MTG	EA	3
2	2	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, BRACKET MTG	EA	3
2	3	PAOZZ	5310-00-627-6128	96906	MS35335-35	WASHER,LOCK, BRACKET MTG	EA	3
2	4	PAOZZ	5310-00-627-6128	96906	MS35335-35	WASHER,LOCK, BRACKET MTG	EA	3
2	5	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW,CAP,HEXAGON, BRACKET MTG	EA	2
2	6	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, ENGINE MTG	EA	2
2	7	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, ENGINE MTG	EA	2
2	8	PAOZZ	5310-00-627-6128	96906	MS35335-35	WASHER,LOCK, ENGINE MTG	EA	2
2	9	PAOZZ	5310-00-627-6128	96906	MS35335-35	WASHER,LOCK	EA	2
2	10	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW,CAP,HEXAGON, ENGINE MTG	EA	2
2	11	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT,PLAIN,HEXAGON, ENGINE MTG	EA	1
2	12	PAOZZ		96906	MS35338-48	WASHER,LOCK, ENGINE MTG	EA	1
2	13	PAOZZ	5305-00-042-6417	96906	MS90725-113	SCREW,CAP,HEXAGON, ENGINE MTG	EA	1
2	14	PAOZZ	5310-00-209-5116	96906	MS35335-37	WASHER,LOCK, BRACKET TO ENGINE MTG	EA	1
2	15	XBPZZ		97403	13213E9827	BRACKET,ENGINE	EA	1
2	16	XBPZZ		97403	13216E8178	GUARD	EA	1
2	17	PAPHZ		81349	4A084-3	ENGINE,GASOLINE	EA	1

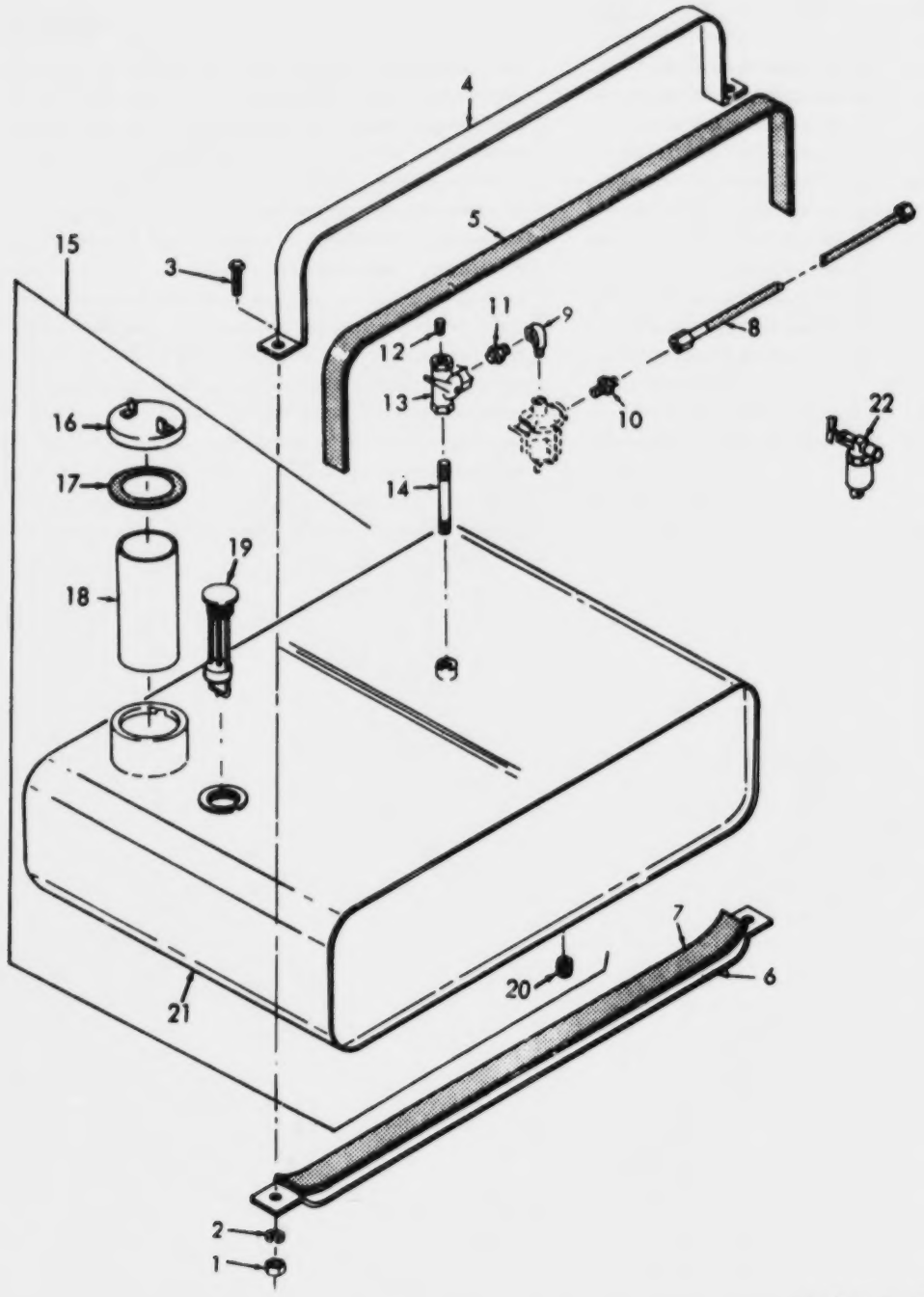
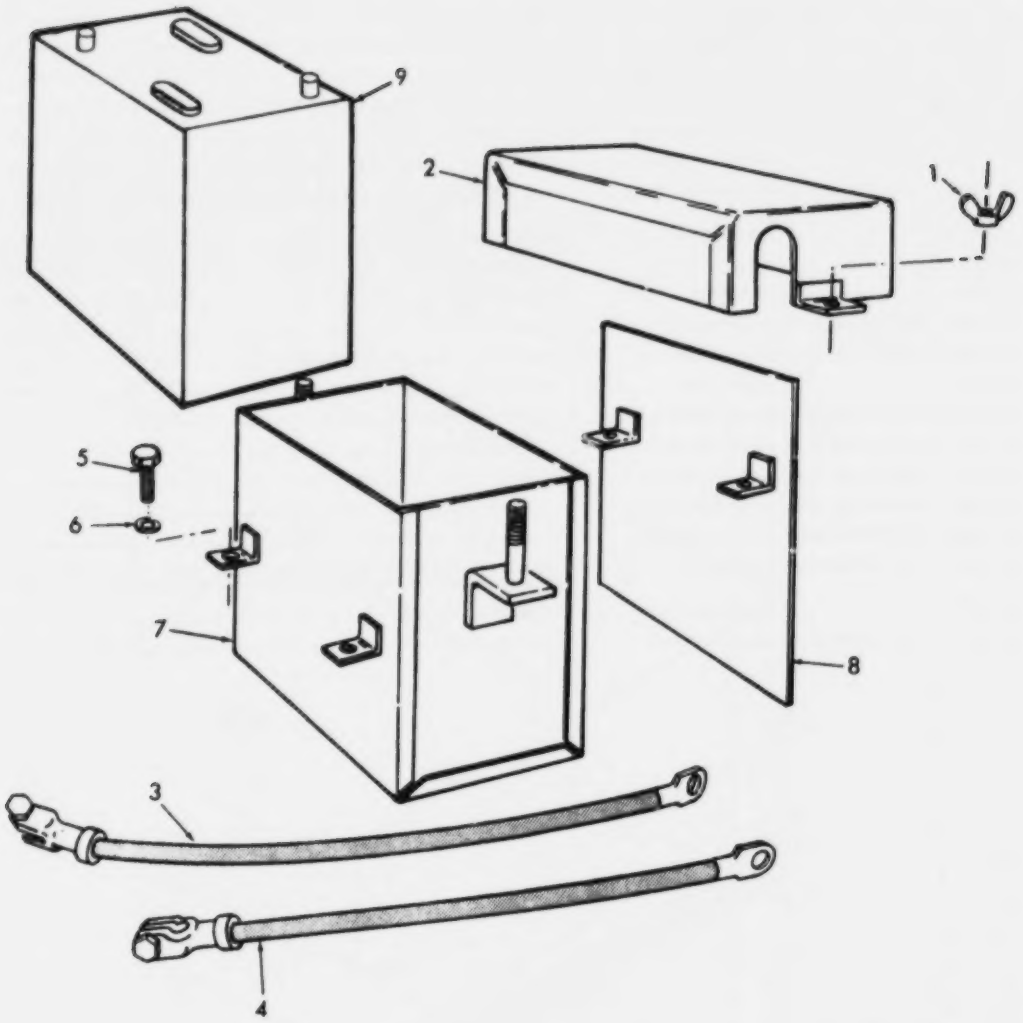


Figure 3. Tank, Fuel and Components.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 02 FUEL SYSTEM		
3	1	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, TANK STRAP MTG	EA	4
3	2	PAOZZ	5310-00-687-9541	96906	MS35338-46	WASHER,LOCK, STRAP	EA	4
3	3	PAOZZ	5305-00-269-3213	96906	MS90725-62	SCREW,CAP,HEXAGON, TANK STRAP MOUNTING	EA	2
3	4	XDOZZ		97403	13213E9822	STRAP,FUEL TANK, UPPER	FT	V
3	5	XAOZZ		97403	13213E9822-2	STRIP,RUBBER, GAS TANK MTG,UPPER	EA	2
3	6	XDOZZ		97403	13213E9823	STRAP,BOTTOM	FT	V
3	7	XAOZZ		97403	13213E9823-2	STRIP,RUBBER, GAS TANK MTG,BOTTOM	EA	1
3	8	PAOZZ	4720-00-071-7967	81349	MIL-H-13444	HOSE ASSEMBLY, FUEL FILTER TO ENGINE,TYZ.25ID W/FTG 37 DEG FLARE STL CD PLD 1/2-20 UNF-2B BOTH ENDS	EA	1
3	9	XBOZZ		25567	52048	ELBOW, FUEL FILTER TO REDUCER.....AGY	EA	1
3	10	XBOZZ		25567	52049	CONNECTOR, FUEL FILTER TO HOSE ASSEMBLY.....AGY	EA	1
3	11	XBOZZ		25567	52047	REDUCER,NIPPLE, COCK TO ELBOW.....AGY	EA	1
3	12	XDOZZ	4730-00-136-1119	25567	P04	PLUG,PIPE, FUEL TANK COCK.....AGY	EA	1
3	13	XBOZZ	4820-00-639-9224	96906	MS35932-2	COCK,PLUG, FUEL FILTER TO GAS TANK.....AGY	EA	1
3	14	XBOZZ		25567	13053	NIPPLE,PIPE, TANK TO COCK.....AGY	EA	1
3	15	PBFZH	2910-00-138-8274	05748	373965A	FUEL TANK ASSEMBLY	EA	1
3	16	PAOZZ	2910-00-141-9758	96906	MS35645-1	.CAP AND CHAIN	EA	1
3	17	PAOZZ	5330-00-684-7851	96906	MS35643-1	.GASKET, FUEL TANK CAP	EA	1
3	18	PAOZZ	2910-00-893-2592	96906	MS35644-1	.STRAINER,FUEL TANK	EA	1
3	19	PAOZZ	6680-00-775-5779	97403	13213E9826	.GAGE,LEVEL	EA	1
3	20	PAOZZ	4730-00-132-4625	25567	52046	.PLUG,PIPE, FUEL DRAIN(USED ON SERIAL RANGE 405143 THRU 405365,415480 THRU 419493 2ND 419501 THRU 419959).....AGY	EA	1
3	21	XAFZZ		97403	13213E9825	.TANK,FUEL	EA	1
3	22	PAOZZ	2910-00-905-9792	96906	MS51086-1	.FILTER,FUEL.....BYJ	EA	1

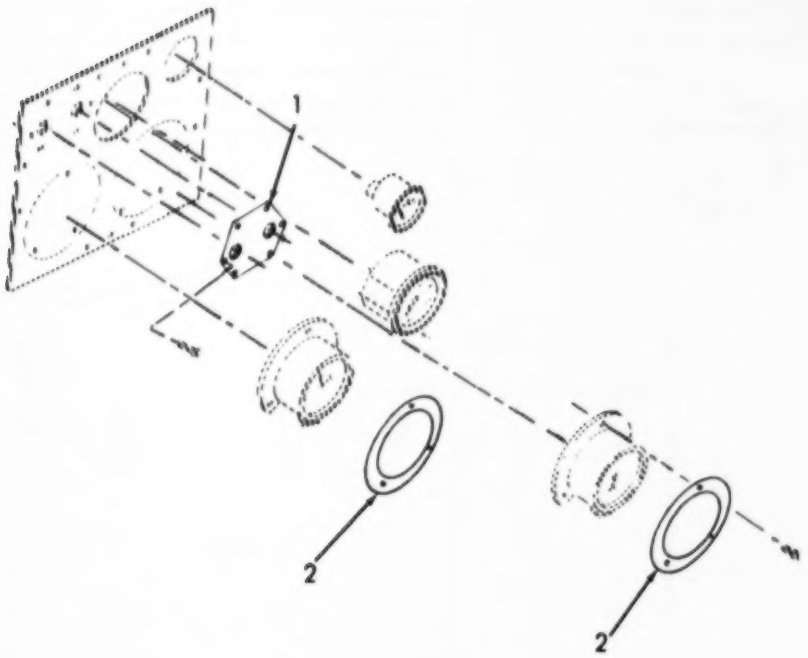


TS 4320-242-24P/4

Figure 4. Battery Box and Cables.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 03 BATTERY BOX AND CABLES		
4	1	PAOZZ	5310-00-889-2605	96906	MS35425-42	NUT,WING	EA	2
4	2	PAOZZ	6140-00-134-0828	97403	13213E9832	COVER,BATTERY BOX	EA	1
4	3	PAOZZ	6140-00-935-2586	97403	13213E9854-2	CABLE,NEGATIVE	EA	1
4	4	PAOZZ	6140-00-935-2585	97403	13213E9854-1	CABLE,POSITIVE	EA	1
4	5	PAOZZ	5305-00-068-0502	96906	MS90725-6	SCREW,CAP,HEXAGON	EA	4
4	6	PAOZZ	5310-00-582-5865	96906	MS35338-44	WASHER,LOCK	EA	4
4	7	PAOZZ		97403	13213E9829	BOX,BATTERY	EA	1
4	8	PAOZZ		97403	13213E9864	SHIELD,BATTERY	EA	1
4	9	PAOZZ	6140-00-059-3528	96906	MS75047-1	BATTERY,STORAGE	EA	1



TS 4320-242-24P/5

Figure 5. Plates.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 04 CONTROL PANEL AND GAGES		
5	1	XBOZZ		97403	13213E9859	PLATE, IDENTIFICATION.....	EA	1
5	2	XBPZZ		97403	13213E9861	PLATE, IDENTIFICATION.....	EA	2

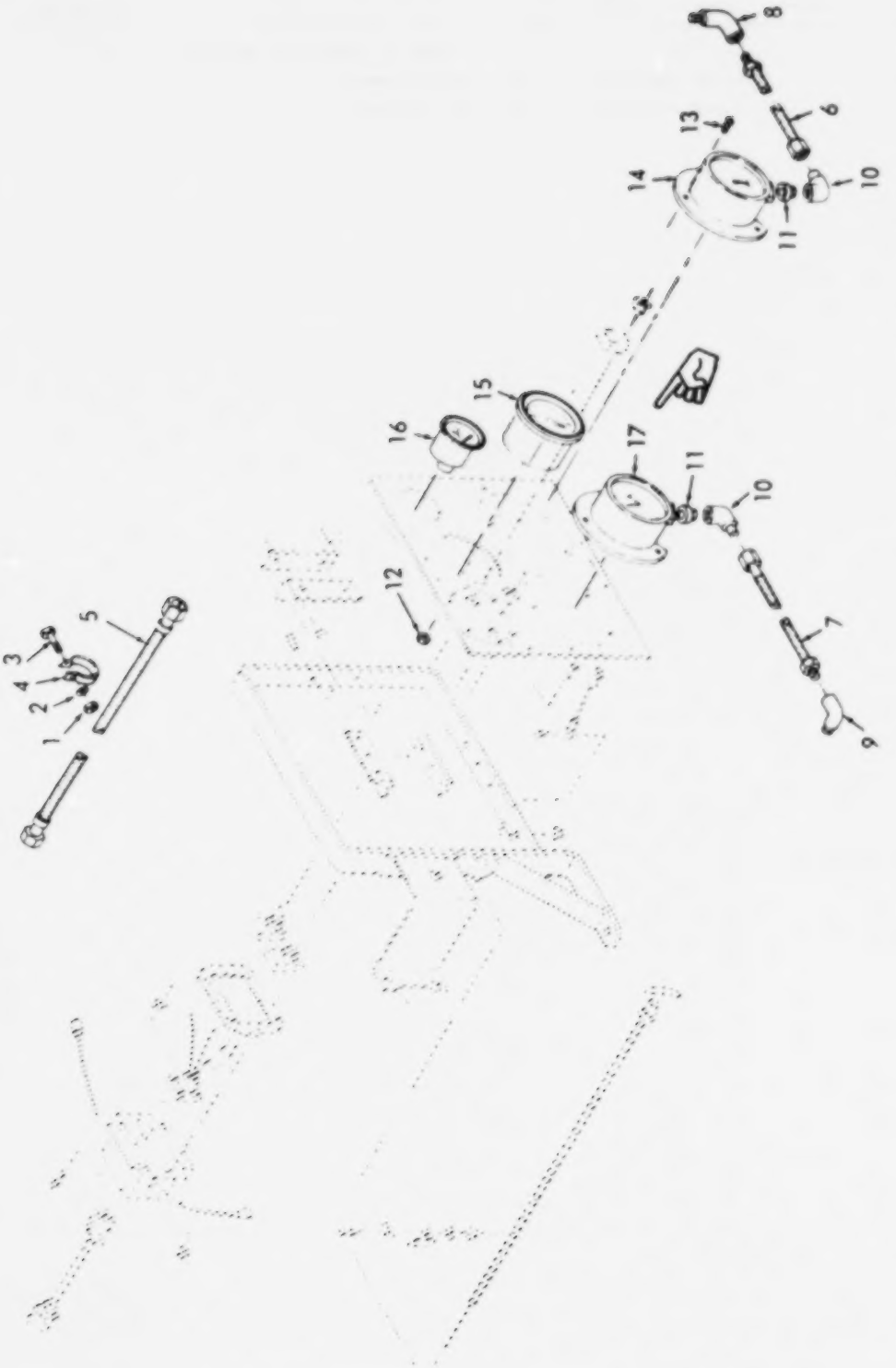
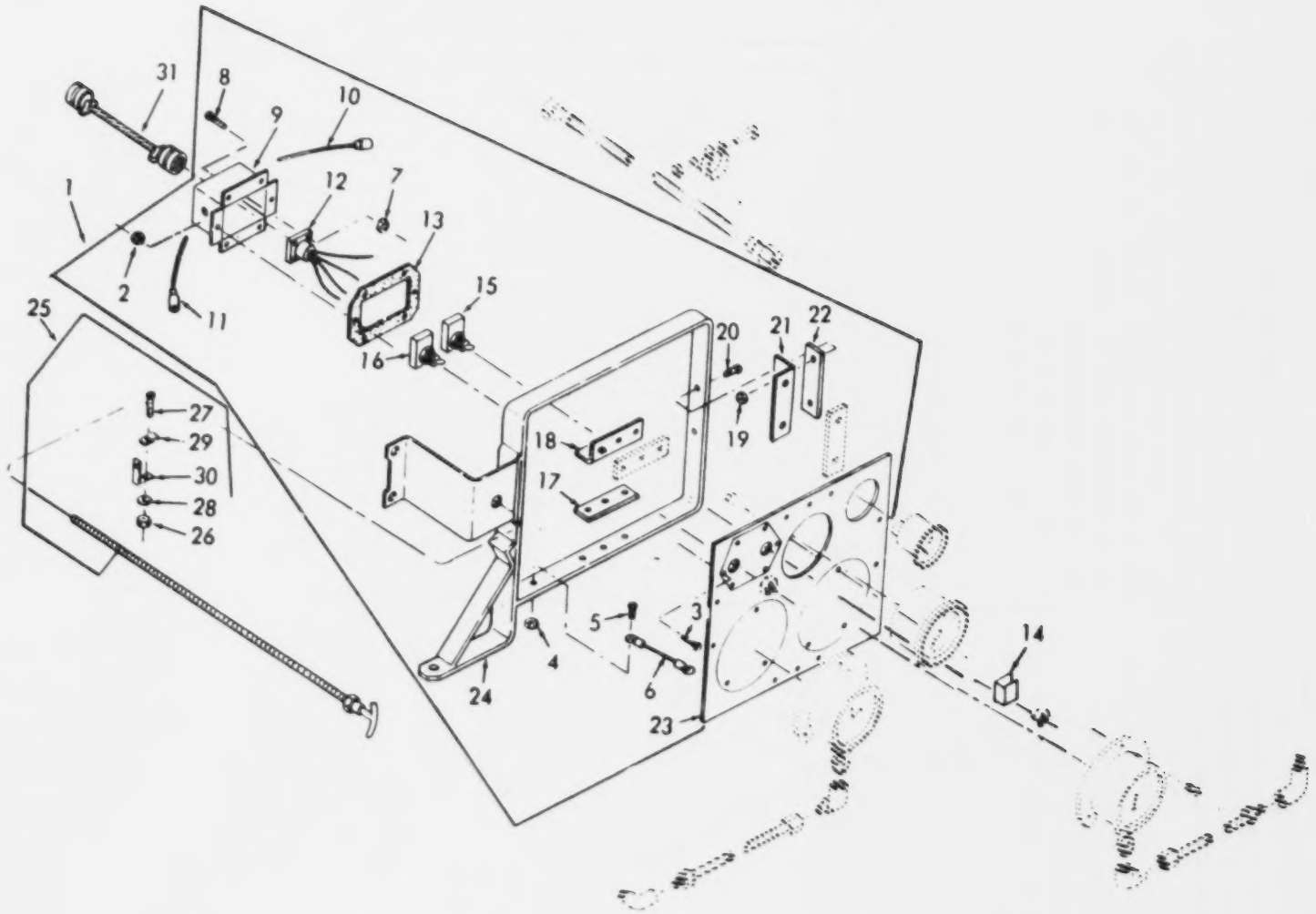


Figure 6. Control Panel and Gages.

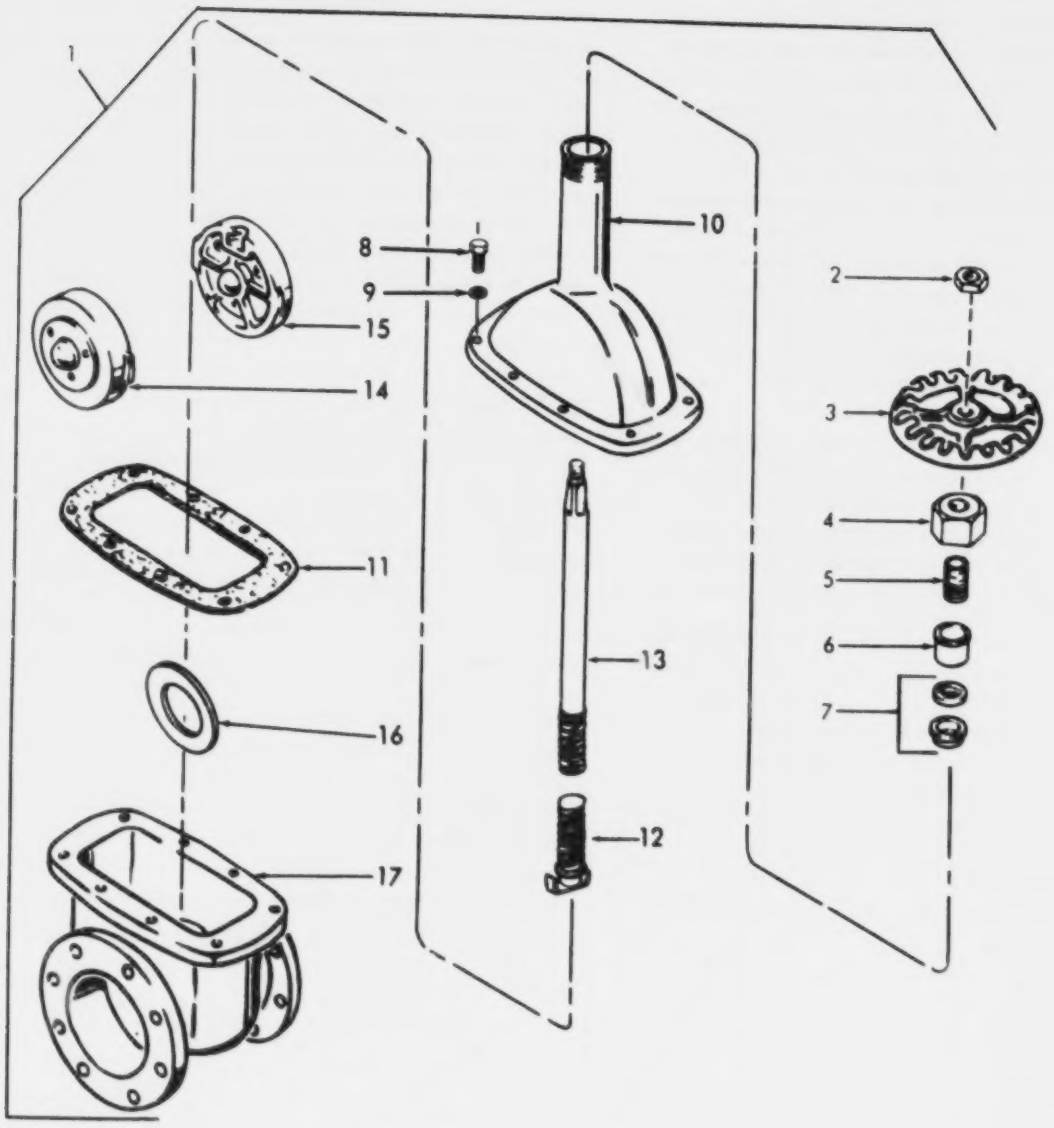
(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
6	1	PAOZZ	5310-00-781-4882	96906	MS51967-2	NUT,PLAIN,HEXAGON. TACHOMETER CABLE CLAMP	EA	1
6	2	XBOZZ	5310-00-982-9965	96906	MS35338-44	WASHER,LOCK. TACHOMETER CABLE CLAMP	EA	1
6	3	PAOZZ	5305-00-068-0502	96906	MS90725-6	SCREW,CAP,HEXAGON. TACHOMETER CABLE CLAMP	EA	1
6	4	PAOZZ		96906	MS9350-10	CLAMP. TACHOMETER CABLE MTG	EA	1
6	5	XBOZZ		96906	MS51071-9	CABLE. TACHOMETER.....AGY	EA	1
6	6	PAOZZ		81349	MIL-H-13444	HOSE ASSEMBLY,SUCTION GAUGE	EA	1
6	7	PAOZZ	4720-00-970-7788	81349	MIL-H-13444	HOSE ASSEMBLY,PRESSURE GAUGE	EA	1
6	8	XBOZZ	4730-00-639-9730	07334	A0563	ELBOW,PIPE,GAUGE HOSE ASSEMBLY	EA	1
6	9	XBOZZ	4730-00-249-3932	96906	A14278-2	ELBOW,PIPE,GAUGE HOSE ASSEMBLY	EA	1
6	10	PAOZZ	4370-01-049-0746	81343	54-07203 BRASS	ELBOW. GAUGES TO HOSE ASSEMBLIES	EA	2
6	11	PAOZZ	6685-00-130-3947	81349	MIL-D-2940	DAMPENER,GAUGE	EA	2
6	12	PAOZZ	5310-00-477-5797	96906	MS21044N3	NUT,SELF-LOCKING. GAUGES AND ELASTOMERIC MTG	EA	26
6	13	PAOZZ	5305-00-995-3444	96906	MS39207-286	SCREW,MACHINE. GAUGES AND ELASTOMERIC MTG	EA	29
6	14	PAOZZ	6685-00-586-8856	80204	USAS-804.1	GAUGE,PUMP	EA	1
6	15	PAOZZ	6680-00-936-2598	96906	MS35918-1	TACHOMETER, MECHANICAL	EA	1
6	16	PAOZZ	6620-00-958-8212	96906	MS24541-2	GAUGE,OIL PRESSURE	EA	1
6	17	PAOZZ	6685-00-934-7953	38508	H1254	GAUGE, PRESSURE	EA	1



TS 4320-242-24P/7

Figure 7. Control Panel.

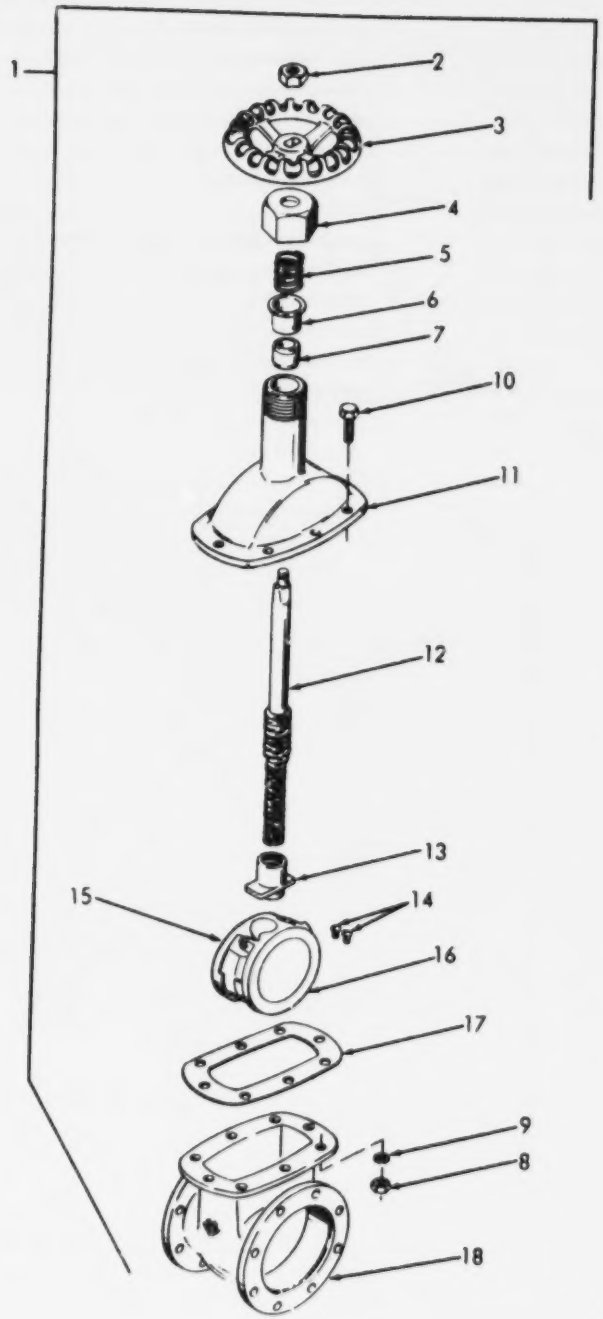
(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
7	1	XDDZZ	4320-00-138-8161	97403	13213E9848	PANEL ASSEMBLY, CONTROL	EA	1
7	2	PADZZ	5310-00-811-3494	96906	MS21044N08	.NUT,SELF-LOCKING, CONNECTOR BOX MTG	EA	6
7	3	PADZZ	5305-00-984-6194	96906	MS35206-246	.SCREW,MACHINE, CONNECTOR BOX MTG	EA	6
7	4	PADZZ	5310-00-811-3494	96906	MS21044N08	.NUT,SELF-LOCKING, GROUNDING JUMPER	EA	2
7	5	PADZZ	5305-00-984-6194	96906	MS35206-246	.SCREW,MACHINE, GROUNDING JUMPER MTG	EA	2
7	6	XBDZZ		96906	MS25083-286	.JUMPER, GROUND	EA	1
7	7	PADZZ	5310-00-877-5797	96906	MS21044N3	.NUT,SELF-LOCKING, CONNECTOR MTG	EA	4
7	8	PADZZ	5305-00-889-2999	96906	MS35206-217	.SCREW,MACHINE, CONNECTOR MTG	EA	4
7	9	XADZZ		97403	13213E9850	.BOX, CONNECTOR	EA	1
7	10	XBDZZ	5935-00-184-6797	96906	MS27144-3	.CONNECTOR,PLUG	EA	1
7	11	XBDZZ	5935-00-167-7775	96906	MS27144-1	.CONNECTOR,PLUG	EA	1
7	12	PADZZ	5935-00-813-4364	96906	MS3102R18-1S	.CONNECTOR	EA	1
7	13	PADZZ	5330-00-161-0758	97403	13213E9863	.GASKET,BOX	EA	1
7	14	XBDZZ	5930-00-138-4997	97403	13216E8179	.PROTECTOR,SWITCH	EA	1
7	15	PADZZ	5930-00-655-1922	96906	MS35058-30	.SWITCH,TOGGLE	EA	1
7	16	PADZZ	5930-00-615-9376	96906	MS35059-21	.SWITCH,TOGGLE	EA	1
7	17	XBDZZ	5340-01-038-3806	97403	13213E9852-1	.PLATE,MENDING,3 HOLE	EA	4
7	18	XBDZZ	5330-01-005-4123	05748	37501	.RUBBER STRIP	EA	2
7	19	PADZZ	5310-00-877-5797	96906	MS21044N3	.NUT,SELF-LOCKING, STRIPS MTG	EA	20
7	20	PADZZ	5305-00-989-7435	96906	MS35207-264	.SCREW,MACHINE, STRIPS MTG	EA	20
7	21	XBDZZ	5340-01-005-4124	05748	37502	.PAD,MOUNTING, ELASTOMERIC MATL,GR 2BG6150 14E34F17 RBR,SYNTH; W/I PLY 10 02NYLON INSERT X 2.72 L	EA	2
7	22	XBDZZ	5340-01-045-5832	97403	13213E9852-2	.PLATE,MENDING,2 HOLE	EA	4
7	23	XBFZZ		97403	13213E9851	.PANEL, CONTROL	EA	1
7	24	XBFZZ		97403	13213E9847	.MOUNTING, PANEL	EA	1
7	25	PADZZ	2990-00-138-8263	97403	13213E9853	.CABLE,THROTTLE	EA	1
7	26	PADZZ	5310-00-934-9758	96906	MS35649-202	..NUT,PLAIN,HEXAGON, CLAMP TO BRACKET	EA	1
7	27	PADZZ	5305-00-984-6210	96906	MS35206-263	..SCREW,MACHINE, THROTTLE CLIP	EA	1
7	28	PADZZ	5310-00-045-3296	96906	MS35338-43	..WASHER,LOCK, CLAMP TO BRACKET	EA	1
7	29	XBDZZ		05748	37519	..CLAMP, THROTTLE CABLE	EA	1
7	30	XBDZZ		05748	37518	..BRACKET,END	EA	1
7	31	XBDZZ		97403	13213E9856	CABLE ASSEMBLY, PANEL TO ENGINE	EA	1



TS 4320-242-24P/8

Figure 8. Gate Valve.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 05 PUMP, STRAINER, GATE VALVE CHECK VALVE ASSY AND MANIFOLD		
8	1	PAFZZ	4820-00-950-7687	81718	676	VALVE ASSEMBLY,GATE	EA	4
8	2	PAFZZ	5310-01-007-6896	81718	H959M	.NUT, HANDWHEEL	EA	1
8	3	PAFZZ	4820-00-986-1981	81718	C76A	.HANDWHEEL	EA	1
8	4	PAFZZ	4730-00-986-1982	81718	H665B	.NUT,PACKING	EA	1
8	5	XBFZZ	5360-00-986-1987	81718	H669M	.SPRING,HELICAL	EA	1
8	6	XBFZZ		81718	H666RB	.RETAINER,PACKING	EA	1
8	7	PAFZZ	5330-00-779-2357	81718	H667M	.PACKING SET	EA	1
8	8	PAFZZ	5305-00-139-0215	81718	H643M	.SCREW,CAP,HEXAGON, BONNET TO BODY	EA	8
8	9	XBFZZ		81718	H252S	.WASHER,LOCK, BONNET TO BODY	EA	8
8	10	XAFZZ		81718	D17A	.BONNET,VALVE	EA	1
8	11	PAFZZ	5330-00-785-0693	81718	C75M	.GASKET	EA	1
8	12	XBFZZ	4930-00-896-7075	81718	C73B	.STEM,DISK	EA	1
8	13	XBFZZ	4930-00-718-9956	81718	C72RB	.STEM,VALVE	EA	1
8	14	XAFZZ		81718	D18M	.DISK,VALVE	EA	1
8	15	XAFZZ		81718	D19M	.DISK,FEMALE	EA	1
8	16	XAFZZ		81718	H664RB	.SEAT	EA	2
8	17	XAFZZ		81718	E2A	.BODY,VALVE	EA	1

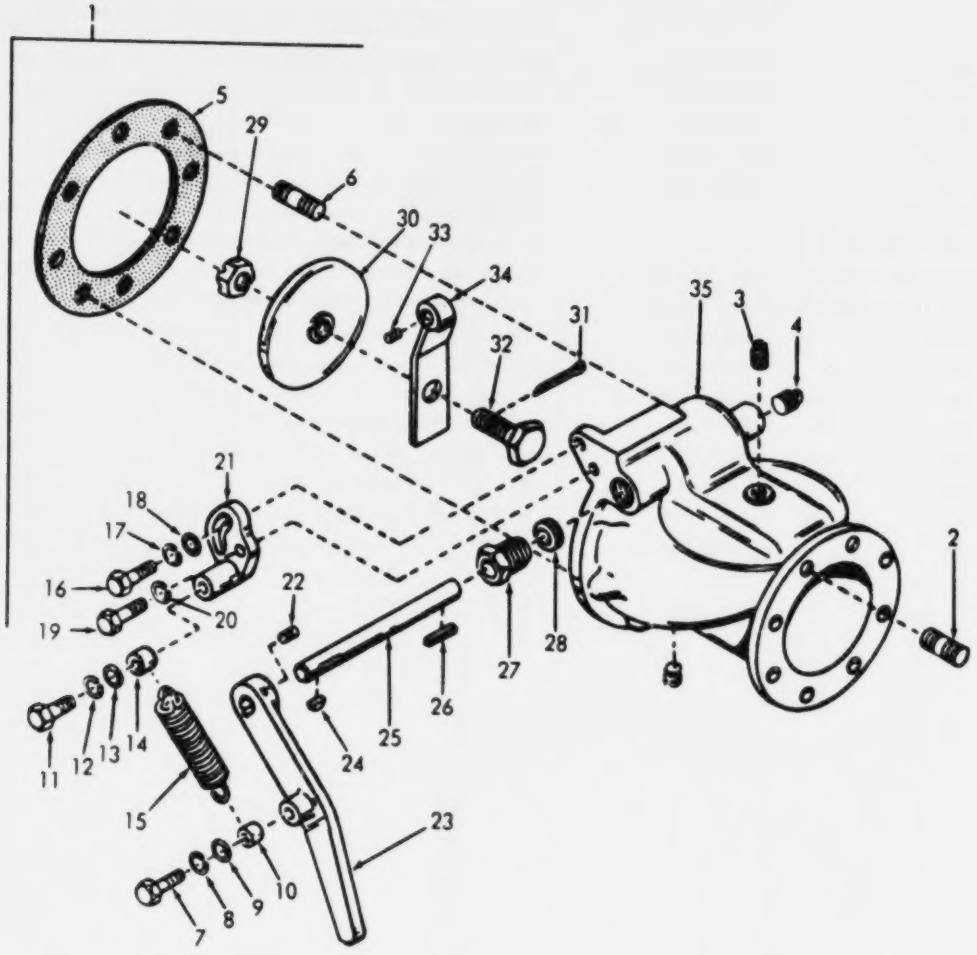


TS 4320-242-24P/9

Figure 9. Gate Valve.

SECTION II

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
9	1	XBPZZ		76364	C35759	GATE VALVE ASSEMBLY, SUCTION AND DISCHARGE (USED ON SERIAL RANGE 419501 THRU 419559)....AGY	EA	4
9	2	XBPZZ		76364	31112H	.NUT,PLAIN,HEXAGON, HANDWHEEL....AGY	EA	1
9	3	XAPZZ		76364	76112	.HANDWHEEL,STEM....AGY	EA	1
9	4	XAPZZ		76364	2855N	.NUT,PACKING....AGY	EA	4
9	5	XAPZZ		76364	71072H	.SPRING,PACKING....AGY	EA	1
9	6	XAPZZ		76364	3673N	.RETAINER,PACKING....AGY	EA	1
9	7	PAPZZ	5330-00-400-3569	76364	65107U	.PACKING,STEM....AGY	EA	1
9	8	PAPZZ	5310-00-891-1751	96906	MS35691-22	.NUT,PLAIN,HEXAGON, BONNET TO BODY....AGY	EA	8
9	9	PAPZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, BONNET TO BODY....AGY	EA	8
9	10	PAPZZ	5305-00-269-2805	96906	MS90726-62	.SCREW,CAP,HEXAGON, BONNET TO BODY....AGY	EA	8
9	11	XAPZZ		76364	23258N	.BONNET,VALVE....AGY	EA	1
9	12	XAPZZ		76364	26408	.STEM,VALVE....AGY	EA	1
9	13	XAPZZ		76364	3042N	.NUT,PULL, STEM....AGY	EA	1
9	14	XAPZZ		76364	4253E	.SCREW,MACHINE, WEDGE....AGY	EA	2
9	15	XAPZZ		76364	437N	.WEDGE,VALVE, MALE....AGY	EA	1
9	16	XAPZZ		76364	438N	.WEDGE,VALVE, FEMALE....AGY	EA	1
9	17	XBPZZ		76364	6486N	.GASKET, BONNET TO BODY....AGY	EA	1
9	18	XAPZZ		76364	2093N	.BODY,VALVE....AGY	EA	4

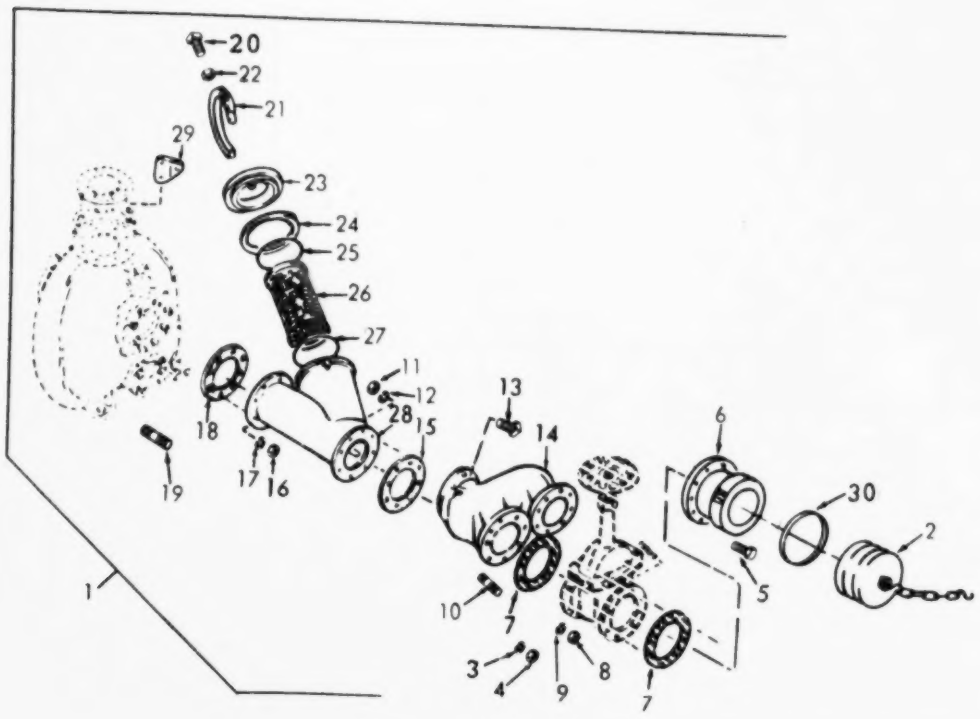


TS 4320-242-24P/10

Figure 10. Check Valve.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
10	1	XBDZD	4820-00-543-8018	25567	D5361	CHECK VALVE.....AGY	EA	1
10	1	PADZZ	4820-01-004-8464	35748	37459SA	CHECK VALVE.....BYJ	EA	1
10	2	PADZZ	5307-00-360-0720	25567	C0606	.STUD,PLAIN, ELBOW MTG.....AGY	EA	8
10	2	PADZZ	5307-00-140-8149	35748	02417	.STUD.....BYJ	EA	8
10	3	XDDZZ	4730-00-136-1119	25567	P04	.PLUG,PIPE, VALVE BODY.....AGY	EA	2
10	3	XBDZZ	4730-01-005-2402	05748	03217	.PLUG,PIPE.....BYJ	EA	2
10	4	PADZZ	4730-00-010-3867	25567	P06	.PLUG,PIPE, SHAFT HOLE.....AGY	EA	1
10	4	PADZZ	4730-01-004-5105	05748	15000	.PLUG,PIPE, SHAFT HOLE.....BYJ	EA	1
10	5	PADZZ	5330-00-690-8672	25567	5371GB	.GASKET, CHECK VALVE.....	EA	1
10	6	XDFZZ	5307-00-725-0296	25567	C0607	.STUD,PLAIN, CHECK VALVE MTG.....	EA	8
10	7	PADZZ	5305-00-269-3214	96906	MS90725-64	.SCREW,CAP,HEXAGON, SPRING MTG.....	EA	1
10	8	PADZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, TENSION SPRING.....	EA	1
10	9	PADZZ	5310-00-080-6004	96906	MS27183-14	.WASHER,FLAT, TENSION SPRING.....	EA	1
10	10	XBDZZ		25567	3855	.SPACER,SLEEVE, TENSION SPRING.....	EA	1
10	11	PADZZ	5305-00-269-3214	96906	MS90725-64	.SCREW,CAP,HEXAGON, SPRING MTG.....	EA	1
10	12	PADZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK.....	EA	1
10	13	PADZZ	5310-00-080-6004	96906	MS27183-14	.WASHER,FLAT, TENSION SPRING.....	EA	1
10	14	XBDZZ		25567	3855	.SPACER,SLEEVE, TENSION SPRING.....	EA	1
10	15	XBDZZ		25567	6270	.SPRING,HELICAL, CHECK VALVE HANDLE.....	EA	1
10	16	PADZZ	5305-00-269-3213	96906	MS90725-62	.SCREW,CAP,HEXAGON, BRACKET MTG.....	EA	1
10	17	PADZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, TENSION SPRING.....	EA	1
10	18	PADZZ	5310-00-080-6004	96906	MS27183-14	.WASHER,FLAT, TENSION SPRING.....	EA	1
10	19	PADZZ	5305-00-942-2196	96906	MS90725-60	.SCREW,CAP,HEXAGON, BRACKET MTG.....	EA	1
10	20	PADZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, BRACKET MTG.....	EA	1
10	21	XBDZZ		25567	5363	.BRACKET,SPRING.....	EA	1
10	22	PADZZ	5305-00-723-9385	96906	MS51963-65	.SETSCREW, CHECK VALVE HANDLE.....	EA	1
10	23	XBDZZ	4820-00-656-7536	25567	5364	.HANDLE,CHECK VALVE.....	EA	1
10	24	PAFZZ	5315-00-616-5514	96906	MS35756-6	.KEY,WOODRUFF, CHECK VALVE SHAFT.....	EA	1
10	25	XBFZZ	3040-00-800-4621	25567	3848	.SHAFT,STRAIGHT,CHECK VALVE.....	EA	1
10	26	XBDZZ		25567	N0206	.KEY,MACHINE, CHECK VALVE SHAFT.....	EA	1
10	27	PBDZZ	4730-00-656-7488	25567	3847	.NUT,PACKING, CHECK VALVE SHAFT.....	EA	1
10	28	PADZZ	5330-00-239-8383	73680	162	.RING,PACKING, CHECK VALVE SHAFT.....	EA	2
10	29	PADZZ		05748	38141	.NUT,CASTELLATED, CHECK VALVE WEIGHT MTG.....	EA	1
10	30	XBFZZ		25567	5362	.WEIGHT, CHECK VALVE.....AGY	EA	1
10	30	XBFZZ		35748	38101	.WEIGHT, CHECK VALVE.....BYJ	EA	1
10	31	PAFZZ	5315-00-298-1481	96906	MS24665-357	.PIN,COTTER, WEIGHT NUT RETAINING.....	EA	1
10	32	XBFZZ		25567	3836	.BOLT,SHOULDER.....	EA	1
10	33	PADZZ	5305-00-723-9387	96906	MS51963-63	.SETSCREW, CHECK VALVE ARM.....	EA	1
10	34	XBFZZ		25567	5365	.ARM,CHECK VALVE.....AGY	EA	1
10	34	XBFZZ		35748	38128	.ARM, CHECK VALVE WEIGHT.....BYJ	EA	1

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
10	35	XAFZZ		25567	5360	.BODY, CHECK VALVE.....AGY	EA	1
10	35	XAFZZ		05748	38159	.BODY, CHECK VALVE.....BYJ	EA	1

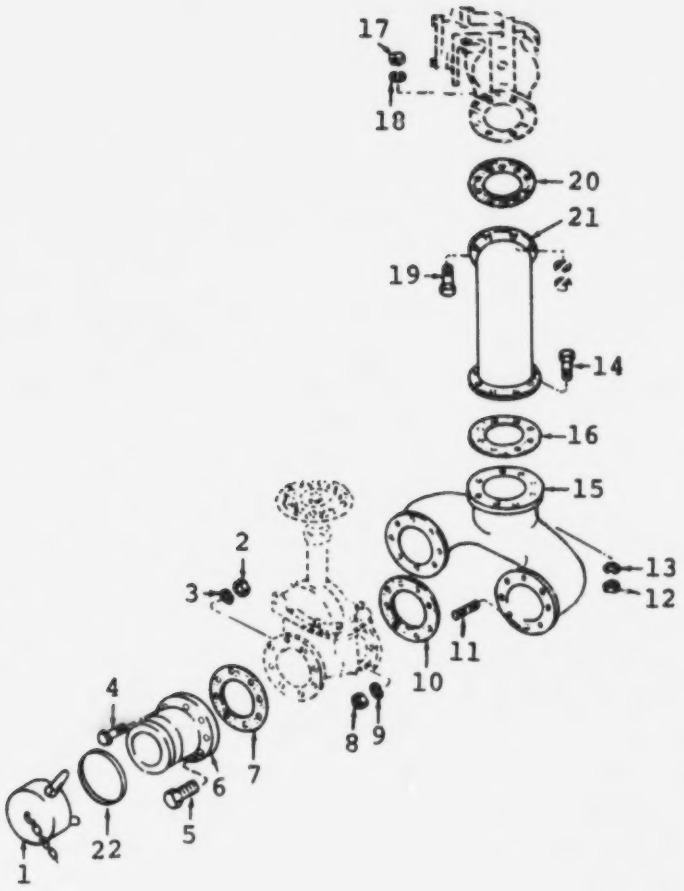


TS 4320-242-24P/11

Figure 11. Strainer.

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
11	1	XBOZZ		81718	877P4	STRAINER ASSEMBLY, SUCTION	EA	1
11	1	XBOZZ		76364	C35779	STRAINER ASSEMBLY, SUCTION(USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	2	PAOZZ	4730-00-640-6188	96906	MS27029-17	.PLUG,DUST, GATE VALVE COUPLER	EA	2
11	3	PAOZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, STRAINER MTG	EA	16
11	4	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, STRAINER MTG	EA	16
11	5	PAOZZ	5305-00-269-3215	96906	MS90725-65	.SCREW,CAP,HEXAGON, STRAINER MTG	EA	16
11	6	XBOZZ	4730-00-640-5348	96906	MS27027-17	.COUPLER, GATE VALVE	EA	2
11	7	PAOZZ	5330-00-089-3912	25567	5372GC	.GASKET, COUPLER	EA	4
11	8	PAOZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, STRAINER MTG	EA	16
11	9	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, STRAINER MTG	EA	16
11	10	PAOZZ	5307-00-360-0720	25567	C0606	.STUD, STRAINER MTG	EA	16
11	11	PAOZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, MANIFOLD MTG	EA	8
11	12	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, MANIFOLD MTG	EA	8
11	13	PAOZZ	5305-00-269-3215	96906	MS90725-65	.SCREW,CAP,HEXAGON, MANIFOLD MTG	EA	8
11	14	XBOZZ		35748	37437	.MANIFOLD, SUCTION	EA	1
11	15	PAOZZ	5330-00-089-3912	25567	5372GC	.GASKET, SUCTION AND DISCHARGE	EA	1
11	16	PAOZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, BODY MTG	EA	8
11	17	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, BODY MTG	EA	8
11	18	PAOZZ	5330-00-089-3912	25567	5372GC	.GASKET, SUCTION AND DISCHARGE	EA	1
11	19	PAOZZ	5307-00-360-0720	25567	C0606	.STUD, STRAINER MTG,PUMP HOUSING	EA	8
11	20	XBOZZ		81718	H4218M	.SETSCREW, COVER MTG	EA	1
11	20	XBOZZ		76364	4227L	.SETSCREW, YOKE (USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	21	XBOZZ		81718	H366M	.CLAMP,CAP, QUICK DISCONNECT	EA	1
11	21	XBOZZ		76364	669N	.YOKE, COVER MTG (USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	22	PAOZZ	5310-00-891-2677	96906	MS35691-49	.NUT,SELF-LOCKING, COVER YOKE SETSCREW	EA	1
11	22	XBOZZ		76364	3158L	.NUT,PLAIN,HEXAGON, YOKE SETSCREW (USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	23	XBOZZ		81718	H477A	.CAP,BASKET ASSEMBLY	EA	1
11	23	XBOZZ		76364	40192N	.COVER,SCREEN (USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	24	PAOZZ	5330-00-732-7749	81718	H508M	.GASKET, STRAINER CAP	EA	1
11	24	PAOZZ	5330-00-656-7460	76364	6675N	.GASKET, COVER(USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	25	PAOZZ	5330-00-732-7750	81718	H778M	.GASKET,BASKET	EA	1
11	26	XBOZZ		81718	C987	.BASKET ASSEMBLY, STRAINER	EA	1
11	27	XBOZZ		76364	7231N4	.SCREEN, STRAINER (USED ON SERIAL RANGE 419501 THRU 419959) AGY	EA	1
11	27	PAOZZ	5330-00-732-7750	81718	H778M	.GASKET, STRAINER BASKET ASSEMBLY	EA	1
11	28	XAOZZ		81718	C252A	.BODY,STRAINER, SUCTION	EA	1

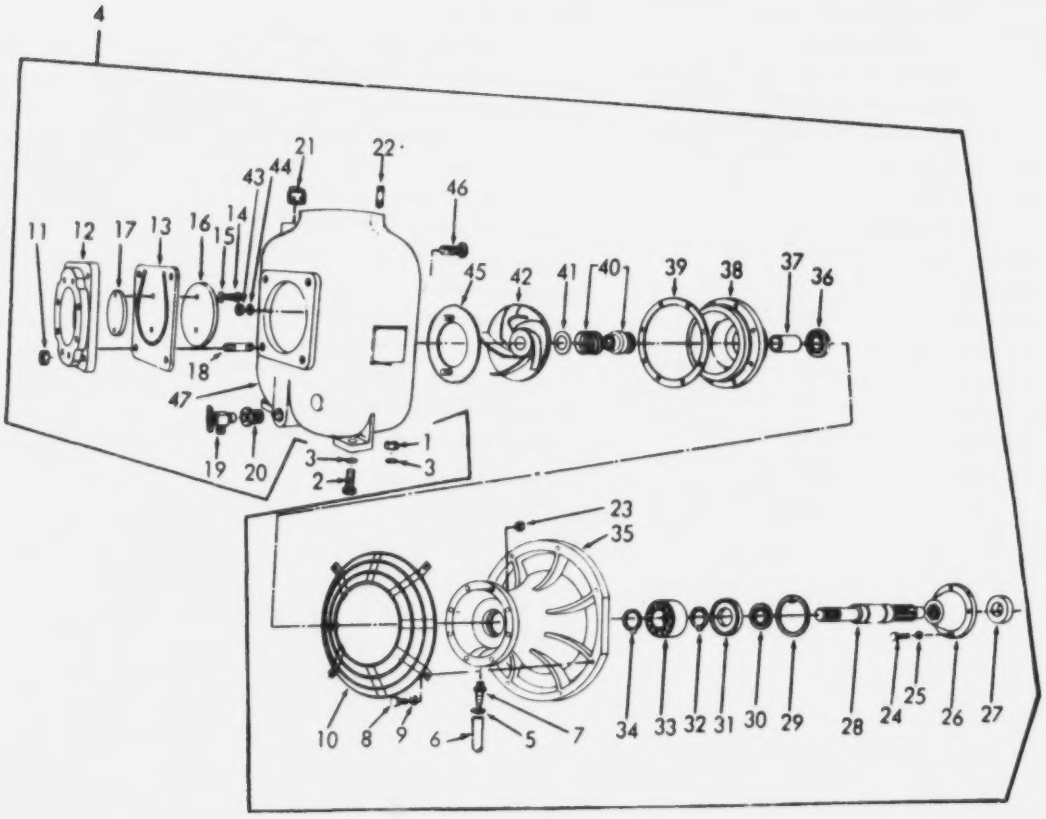
(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
11	28	XBDZZ		76364	22108N	.BODY,STRAINER, SUCTION (USED ON SERIAL RANGE 419501 THRU 419959).....AGY	EA	1
11	29	XBDZZ		25567	6031	.BRACKET,THROTTLE.....AGY	EA	1
11	29	XBDZZ		35748	37517	.BRACKET,SUPPORT, THROTTLE CABLE.....BYJ	EA	1
11	30	PAOZZ	5330-00-899-4509	96906	MS27030-9	GASKET.....	EA	4



TS 4320-242-24P/12

Figure 12. Manifold.

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
12	1	PAOZZ	4730-00-840-6156	96906	MS27028-17	CAP,DUST, GATE VALVE	EA	2
12	2	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, MANIFOLD AND GATE VALVE MOUNTING	EA	16
12	3	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK	EA	16
12	4	PAOZZ	5305-00-269-3215	96906	MS90725-65	SCREW,CAP,HEXAGON, MANIFOLD AND COUPLING	EA	7
12	5	PAOZZ	5305-00-269-3214	96906	MS90725-64	SCREW,CAP,HEXAGON, MANIFOLD MTG	EA	2
12	6	XBOZZ	4730-00-840-5347	96906	MS27023-17	COUPLING,HALF, QUICK DISCONNECT,GATE VALVE	EA	2
12	7	PAOZZ	5330-00-089-3912	25567	5372GC	GASKET,DISCHARGE	EA	2
12	8	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, VALVE TO MANIFOLD	EA	16
12	9	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, VALVE TO MANIFOLD	EA	16
12	10	PAOZZ	5330-00-089-3912	25567	5372GC	GASKET,DISCHARGE	EA	2
12	11	PAOZZ	5307-00-360-0720	25567	C0606	STUD,PLAIN, GATE VALVE MTG	EA	16
12	12	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON	EA	8
12	13	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK	EA	8
12	14	PAOZZ	5305-00-269-3215	96906	MS90725-65	SCREW,CAP,HEXAGON, ELBOW TO MANIFOLD	EA	8
12	15	XBOZZ		25567	8514	MANIFOLD,DISCHARGE	EA	1
12	16	PAOZZ	5330-00-089-3912	25567	5372GC	GASKET,DISCHARGE	EA	1
12	17	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, CHECK VALVE MTG	EA	8
12	18	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, CHECK VALVE MTG	EA	8
12	19	PAOZZ	5305-00-269-3215	96906	MS90725-65	SCREW,CAP,HEXAGON, ELBOW TO CHECK VALVE	EA	8
12	20	PAOZZ	5330-00-089-3912	25567	5372GC	GASKET,DISCHARGE	EA	1
12	21	XBOZZ	4730-00-986-1982	35748	37461	ELBOW,DISCHARGE	EA	1
12	22	PAOZZ	5330-00-899-4509	96906	MS27030-9	GASKET	EA	4

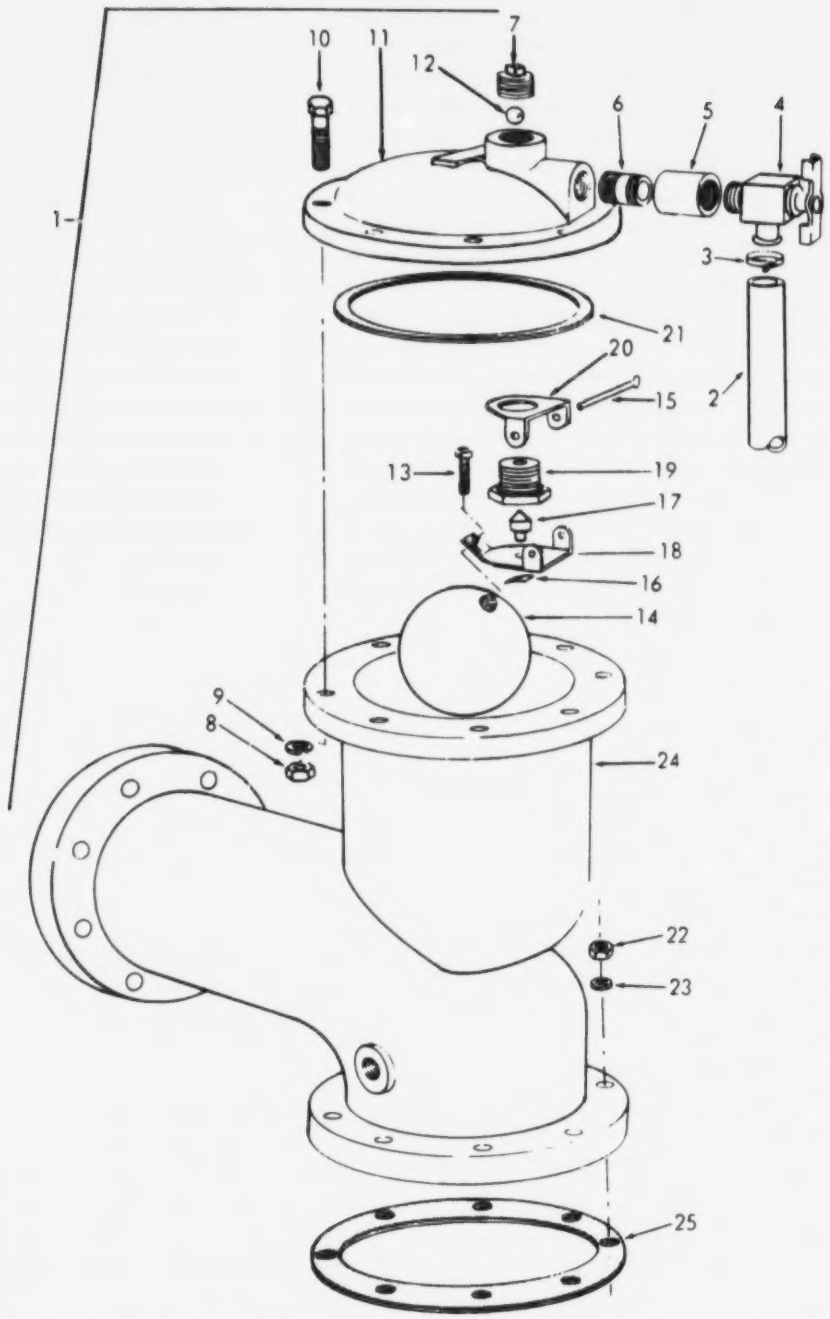


TS 4320-242-24P/13

Figure 13. Pump.

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
13	1	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT,PLAIN,HEXAGON,PUMP MTG	EA	2
13	2	PAOZZ	5305-00-042-6417	96906	MS90725-113	SCREW,CAP,HEXAGON, PUMP MTG	EA	2
13	3	PAOZZ	5310-00-209-5116	96906	MS35335-37	WASHER,LOCK, PUMP MTG	EA	4
13	4	XBFZZ	4320-00-936-3810	25567	11749	PUMP UNIT,CENTRIFUGAL	AGY	1
13	4	XBFZZ		05748	37426SA	PUMP ASSEMBLY	BYJ	1
13	5	XBOZZ		05748	37528	.CLAMP,HOSE,SEAL	EA	1
13	6	XDOZZ	4720-00-138-8190	05748	37529	.HOSE,NONMETALLIC	EA	1
13	7	XBOZZ		05748	37527	.NIPPLE	BYJ	1
13	8	PAFZZ	5306-00-225-8503	96906	MS90725-39	.BOLT,MACHINE, HOUSING AND GUARD MTG	EA	8
13	9	PAFZZ	5310-00-407-9566	96906	MS35338-45	.WASHER,LOCK, HOUSING AND GUARD MTG	EA	8
13	10	XBFZZ	4320-00-122-9988	97403	13213E9837	.GUARD,INTERMEDIATE PUMP HOUSING	EA	1
13	11	PAOZZ	5310-00-763-8920	96906	MS51967-20	.NUT,PLAIN,HEXAGON, SUCTION ADAPTER MTG	EA	4
13	12	XAFZZ		25567	11889	.ADAPTER,SUCTION	AGY	1
13	12	XAFZZ		05748	37717	.ADAPTER,SUCTION	BYJ	1
13	13	XAFZZ		25567	11745G	.GASKET,CHECK VALVE	AGY	1
13	13	XAFZZ		05748	37683	.GASKET	BYJ	1
13	14	PAFZZ	5305-00-068-0501	96906	MS90725-5	.SCREW,CAP,HEXAGON, VALVE WEIGHT MTG(USED ON SERIAL RANGE 371201 THRU 371346,383791 THRU 383810 AND 400424 THRU 400549)	EA AGY	2
13	14	PAFZZ	5305-00-068-0502	96906	MS90725-6	.SCREW,CAP,HEXAGON, VALVE WEIGHT MTG(USED ON SERIAL RANGE 405143 THRU 405365,415480 THRU 415493 AND 419501 THRU 419959)	EA AGY	2
13	14	PAFZZ	5305-00-207-8253	96906	MS35307-308	.SCREW,CAP,HEXAGON, VALVE WEIGHT MTG	BYJ	1
13	15	PAFZZ	5310-00-582-5963	96906	MS35338-44	.WASHER,LOCK, VALVE WEIGHT MTG	EA	2
13	16	XAFZZ		25567	11751	.WEIGHT,VALVE	AGY	1
13	16	XAFZZ		05748	01488	.WEIGHT,LARGE	BYJ	1
13	17	XAFZZ		25567	11746	.WEIGHT,VALVE	AGY	1
13	17	XAFZZ		05748	01487	.WEIGHT,SMALL	BYJ	1
13	18	XBFZZ		35784	38294	.STUD,SUCTION, ADAPTER MTG	EA	4
13	19	PAOZZ	4820-00-845-1096	79470	6660	.COCK,DRAIN	BYJ	1
13	20	XBFZZ		25567	AP12-04	.BUSHING,REDUCER, HOUSING TO DRAIN COCK	AGY	1
13	20	XBFZZ		05748	38063	.BUSHING,PIPE	BYJ	1
13	21	XBOZZ		25567	P24	.PLUG,PIPE, CASING TOP	AGY	1
13	21	PAOZZ	4730-00-145-6231	05748	03207	.PLUG,PIPE, CASING TOP	BYJ	1
13	22	PAOZZ	5307-00-140-8149	05748	02417	.STUD,DISCHARGE, ELIMINATOR MTG	EA	8
13	23	PAFZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, HOUSING TO PUMP	EA	8
13	24	PAOZZ	5306-00-078-0164	96906	MS35763-819	.SCREW,CAP,HEXAGON, SPLINE MTG	EA	4
13	25	PAFZZ	5310-00-407-9566	96906	MS35338-45	.WASHER,LOCK	EA	8
13	26	XBFZZ	4320-00-122-9990	97403	13213E9834	.COUPLING	EA	1
13	27	XBFZZ	3120-00-146-2533	97403	13213E9840	.BUSHING,PILOT, IMPELLER SHAFT	EA	1
13	28	XAFZZ		97403	13213E9831	.SHAFT,IMPELLER	EA	1
13	29	PAFZZ	5365-00-081-1376	96906	MS16631-315	.RING,RETAINING	EA	1

(1) ILLUSTRATION (a) FIG NO.	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
13	30	XBFZZ		96906	MS51001-19	.SEAL,OIL, IMPELLER SHAFT	EA	1
13	31	PAFZZ	3110-00-934-7945	97403	13213E9838	.RETAINER	EA	1
13	32	PAFZZ	5365-00-803-9978	96906	MS16624-137	.RING,RETAINING, IMPELLER BEARING	EA	1
13	33	PAFZZ	3110-00-156-4856	97403	13213E9836	.BEARING,BALL	EA	1
13	34	PAFZZ	5365-00-803-9978	96906	MS16624-137	.RING,RETAINING	EA	2
13	35	XBFZZ		97403	13213E9835	.HOUSING	EA	1
13	36	XBFZZ		96906	MS51001-19B	.SEAL,OIL, IMPELLER SHAFT	EA	1
13	37	PAFZZ	3120-00-077-0596	25567	11847	.SLEEVE, IMPELLER SHAFT	EA	1
13	38	PAFZZ	4320-00-629-4388	25567	11741	.RETAINER,OIL SEAL, IMPELLER	EA	1
13	39	PAFZZ	5330-00-089-3911	25567	11742GA	.GASKET, SEAL PLATE TO PUMP	EA	1
13	40	PAFZZ	4320-00-918-4185	97403	13213E9844	.SEAL ASSEMBLY,SHAFT	EA	1
13	41	PAFZZ	5365-00-377-6983	25567	ZX	.SHIM SET, IMPELLER	EA	1
13	42	PAFZZ	4320-00-078-2521	25567	11747	.IMPELLER, PUMP AGV	EA	1
13	42	PBFZZ	4320-00-138-8147	05748	38390	.IMPELLER BYJ	EA	1
13	43	PAFZZ	5310-00-732-0538	96906	MS51967-8	.NUT,PLAIN,HEXAGON, WEAR PLATE MTG	EA	2
13	44	PAFZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, WEAR PLATE MTG	EA	2
13	45	PBFZZ	4320-00-080-4105	25567	11744	.PLATE,WEAR, IMPELLER AGV	EA	1
13	45	XDFZZ	5365-00-138-8146	05748	38419	.SPACER,PLATE, IMPELLER BYJ	EA	1
13	46	PADZZ	5306-00-225-8589	96906	MS90725-39	.SCREW, ENGINE TO PUMP-5/16-18 X 1.750 L	EA	8
13	47	XBFZZ		25567	11742	.CASING,VOLUTE AGV	EA	1
13	47	XBFZZ		05748	37716	.CASING,VOLUTE BYJ	EA	1



TS 4320-242-24P/14

Figure 14. Air Eliminator.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 06 AIR ELIMINATOR		
14	1	PBOZZ	4320-00-138-8149	35748	3745851A	ELIMINATOR ASSEMBLY	EA	1
14	2	XBOZZ		61463	P282	.HOSE, ELIMINATOR VALVE	EA	1
14	3	PAOZZ	4730-00-138-8164	05748	37931	.CLAMP,HOSE	EA	1
14	4	PAOZZ	4820-00-845-1096	79470	6660	.COCK,DRAIN	EA	1
14	5	PAOZZ	4730-00-138-8165	05748	03226	.COUPLING,PIPE, ELIMINATOR DRAIN COCK	EA	1
14	6	PAOZZ	4730-00-188-1855	05748	03262	.NIPPLE,PIPE	EA	1
14	7	PAOZZ	4730-01-005-2402	05748	03217	.PLUG,PIPE	EA	1
14	8	XBOZZ		96906	MS35690-502	.NUT,PLAIN,HEXAGON, CAP MTG	EA	8
14	9	PAOZZ	5310-00-407-9564	96906	MS35338-45	.WASHER,LOCK, CAP MTG	EA	8
14	10	PAOZZ	5305-00-225-9081	96906	MS90725-36	.SCREW,CAP,HEXAGON, CAP MTG	EA	8
14	11	XAOZZ		03933	8563	.CAP, AIR ELIMINATOR	EA	1
14	12	XBOZZ	3110-00-100-4155	96906	MS35461	.BALL,BEARING, AIR ELIMINATOR	EA	1
14	13	XBOZZ		03993	A39518-8	.SCREW,VALVE CLIP	EA	1
14	14	XBOZZ		03933	A4646	.FLOAT	EA	1
14	15	XDOZZ	5315-00-772-9446	03933	A3232	.PIN,STRAIGHT, CLIP TO LEVER	EA	1
14	16	XBOZZ		35748	38212	.RETAINER	EA	1
14	17	XBOZZ	3695-00-504-7479	03933	A2628	.DISK, NEEDLE VALVE	EA	1
14	18	XBOZZ		03933	A3467	.LEVER,AIR VALVE	EA	1
14	19	XBOZZ		03933	A3636	.SEAT, VALVE	EA	1
14	20	XBOZZ	4730-00-098-5160	03933	A1917	.CLIP,VALVE LEVER	EA	1
14	21	PAOZZ	5330-00-542-1090	25567	51906	.GASKET, AIR ELIMINATOR CAP	EA	1
14	22	PAOZZ	5310-00-732-0558	96906	MS51967-8	.NUT,PLAIN,HEXAGON, ELIMINATOR MTG	EA	8
14	23	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, ELIMINATOR MTG	EA	8
14	24	XBOZZ		25567	5453A	.ELBOW,DISCHARGE	EA	1
14	25	PAOZZ	5330-00-089-3912	25567	5372GC	GASKET, PUMP TO AIR ELIMINATOR	EA	13

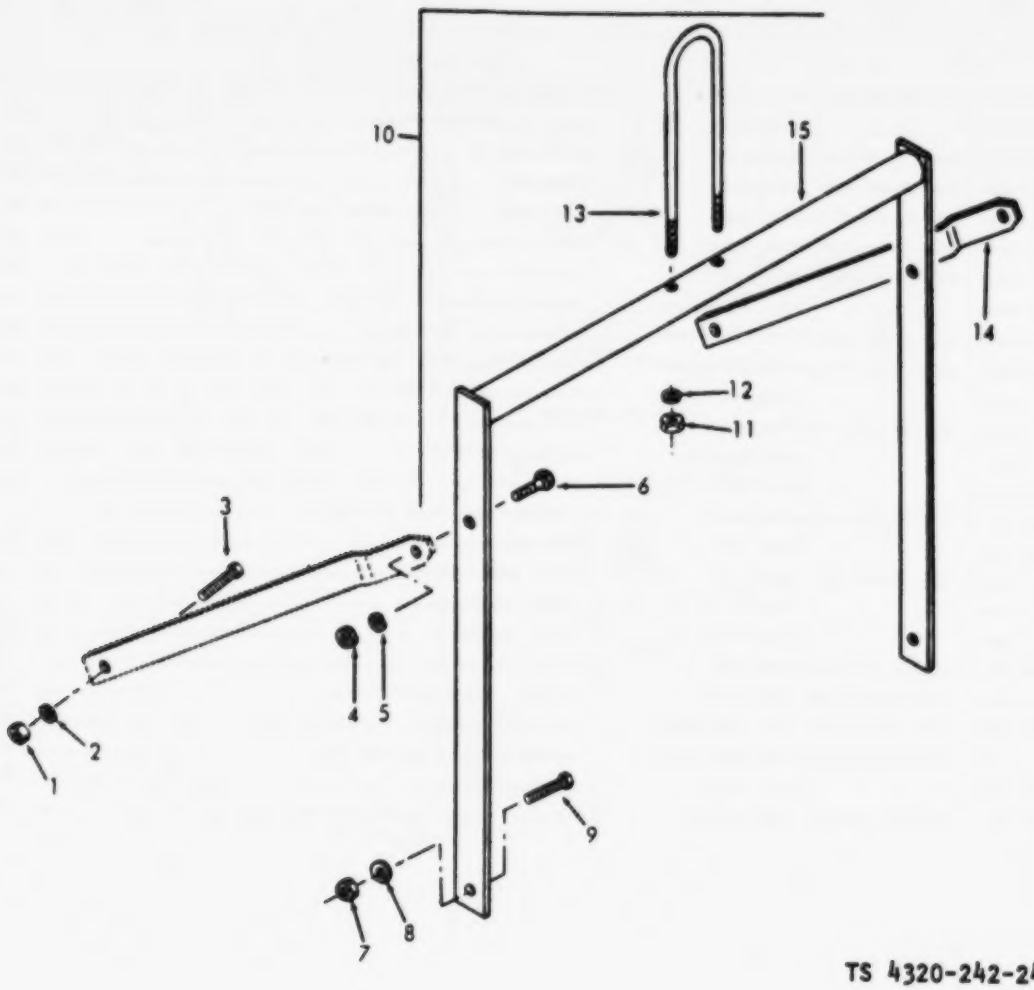
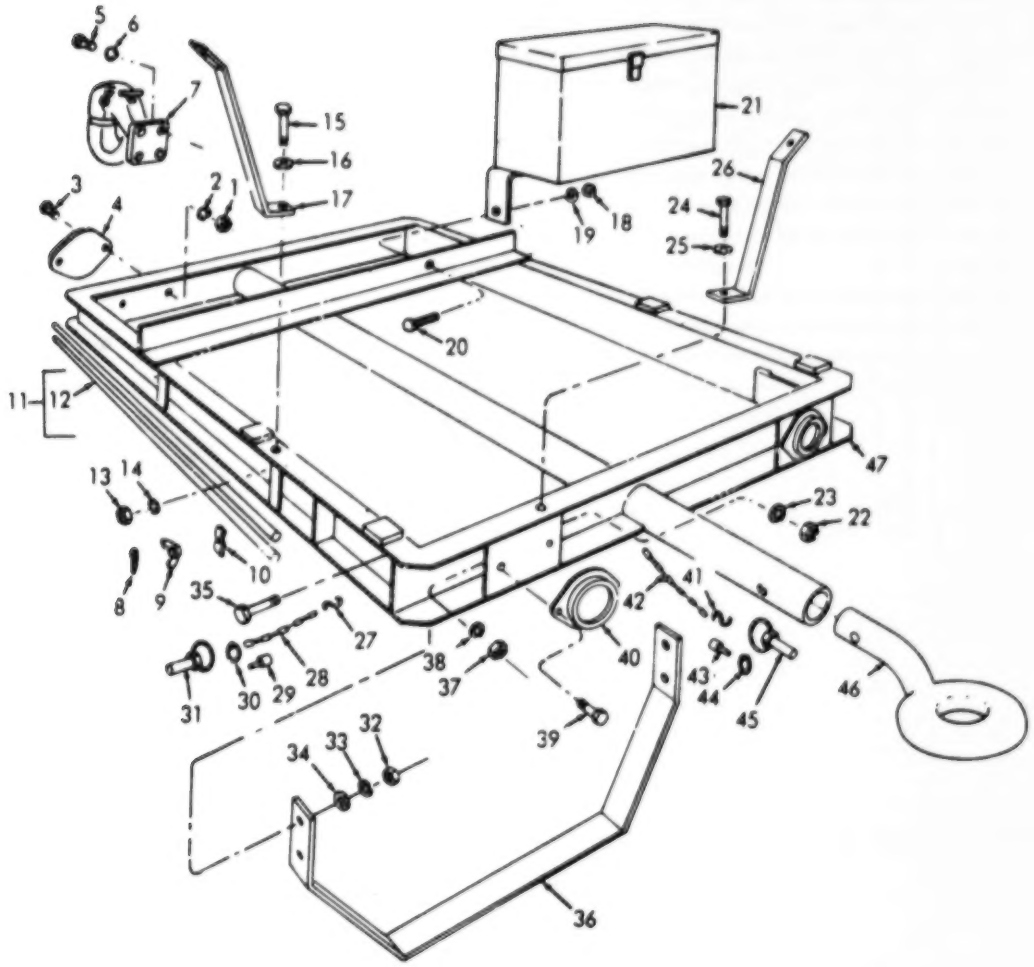


Figure 15. Lifting Components.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 07 WHEELS, AXLE, FRAME AND LIFTING COMPONENTS		
19	1	PAOZZ	5310-00-763-8920	96906	MS51967-20	NUT,PLAIN,HEXAGON, LIFTING FRAME	EA	2
19	2	PAOZZ	5310-00-820-6653	96906	MS35338-90	WASHER,LOCK, LIFTING FRAME BRACE MTG	EA	2
19	3	PAOZZ	5305-00-051-0827	96906	MS90725-164	SCREW,CAP,HEXAGON, TRAILER FRAME TO LIFTING FRAME	EA	2
19	4	PAOZZ	5310-00-763-8920	96906	MS51967-20	NUT,PLAIN,HEXAGON, LIFTING FRAME	EA	2
19	5	PAOZZ	5310-00-820-6653	96906	MS35338-90	WASHER,LOCK, LIFTING FRAME	EA	2
19	6	PAOZZ	5305-00-724-5910	96906	MS90725-162	SCREW,CAP,HEXAGON, LIFTING FRAME	EA	2
19	7	PAOZZ	5310-00-763-8920	96906	MS51967-20	NUT,PLAIN,HEXAGON, LIFTING FRAME	EA	2
19	8	PAOZZ	5310-00-820-6653	96906	MS35338-90	WASHER,LOCK, LIFTING FRAME	EA	2
19	9	PAOZZ	5305-00-051-0827	96906	MS90725-164	SCREW,CAP,HEXAGON, LIFTING FRAME TO TRAILER FRAME	EA	4
19	10	XBFZZ		25567	13056	FRAME ASSEMBLY	EA	1
19	11	PAOZZ	5310-00-834-8732	96906	MS35691-33	.NUT,PLAIN,HEXAGON, RING MTG	EA	2
19	12	PAOZZ	5310-00-768-0318	96906	MS51967-14	.NUT,PLAIN,HEXAGON, RING MTG	EA	2
19	13	PBOZZ	5306-00-139-7307	97403	13213E9849-1	.U-BOLT,LIFT	EA	1
19	14	XBOZZ		79403	13213E9845	.BRACE,LIFT,FRAME	EA	2
19	15	XBOZZ		97403	13213E9844	.FRAME,LIFTING	EA	1

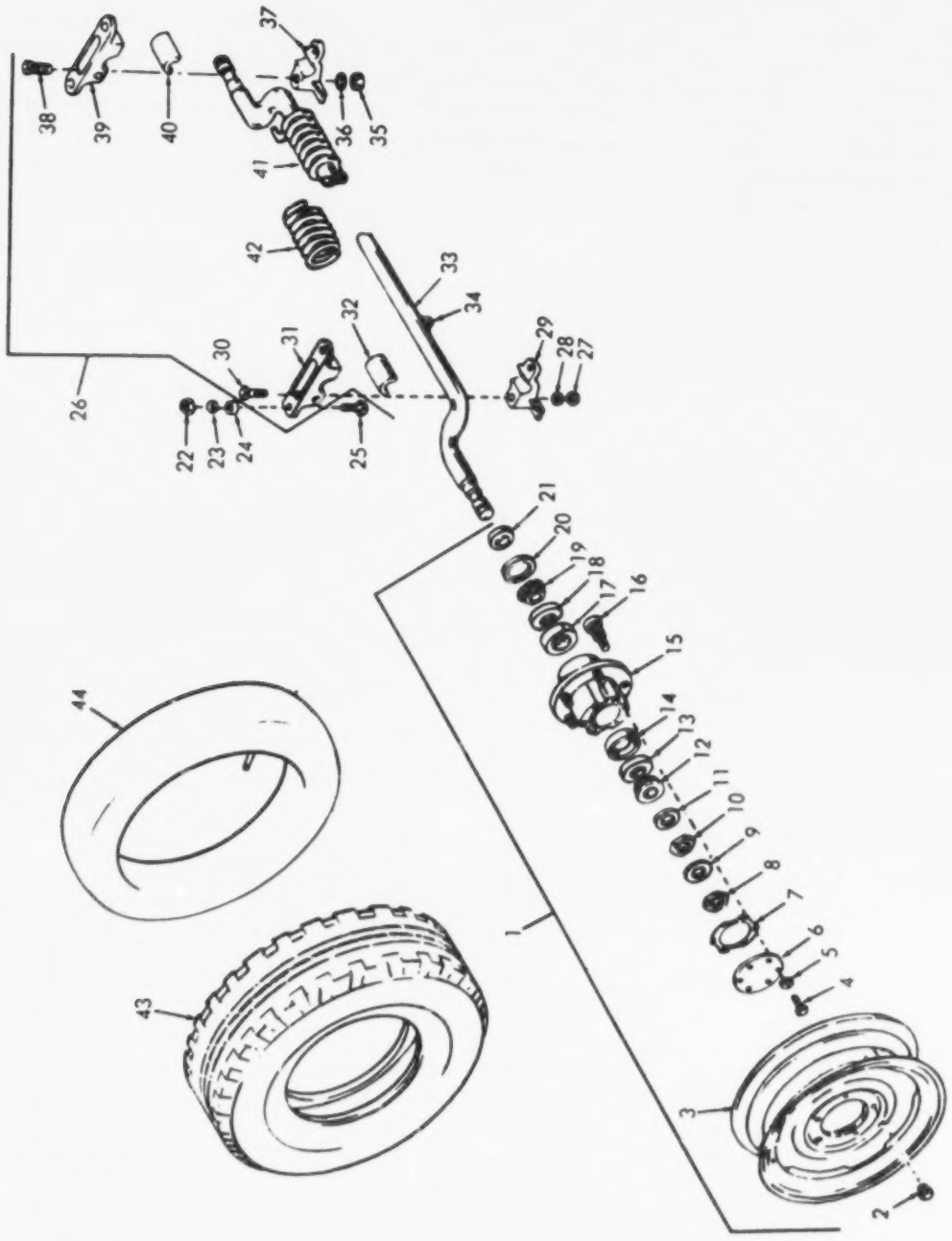


TS 4320-242-24P/16

Figure 16. Frame and Components.

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
16	1	XBOZZ	5310-00-781-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON, REFLECTOR MTG,REAR	EA	4
16	2	PAOZZ	5310-00-582-5969	96906	MS35338-44	WASHER,LOCK, REFLECTOR MTG,REAR	EA	4
16	3	PAOZZ	5305-00-088-0502	96906	MS90725-6	SCREW,CAP,HEXAGON, REFLECTOR MTG	EA	4
16	4	PAOZZ	9905-00-205-2795	96906	MS35387-1	REFLECTOR, INDICATING,TRAILER,REAR	EA	2
16	5	PAOZZ	5305-00-044-4153	96906	MS90725-109	SCREW,CAP,HEXAGON, PINTLE MTG	EA	4
16	6	PAOZZ		96906	MS35338-48	WASHER,LOCK, PINTLE MTG	EA	4
16	7	XBOZZ	2540-00-839-9039	96906	MS51335-2	PINTLE ASSEMBLY,TON	EA	1
16	8	PAOZZ	5315-00-842-3044	96906	MS24665-283	PIN,COTTER	EA	1
16	9	PAOZZ	5310-00-889-2604	96906	MS35425-42	NUT,WING	EA	1
16	10	PAOZZ	5340-00-420-9693	25567	13085	CLAMP,ROD, GROUNDING ROD MTG	EA	1
16	11	PAOZZ	9905-01-032-5572	05748	28006SA	CABLE ASSEMBLY, GROUND ROD	EA	2
16	12	PAOZZ	5975-00-577-8825	05748	15675	.ROD,GROUND	EA	2
16	13	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, SUCTION AND DISCHARGE BRACKET MTG	EA	2
16	14	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, SUCTION AND DISCHARGE BRACKET MTG	EA	2
16	15	PAOZZ	5305-00-225-3838	96906	MS90725-4	SCREW,CAP,HEXAGON, SUCTION AND DISCHARGE BRACKET MTG	EA	4
16	16	PAOZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT, BRACKET TO FRAME	EA	2
16	17	XBOZZ		25567	11890	BRACKET,SUPPORT.....AGY	EA	2
16	17	XBOZZ		05748	37466	BRACKET,DISCHARGE.....BYJ	EA	2
16	18	PAOZZ		96906	MS35690-602	NUT,PLAIN,HEXAGON, TOOL BOX MTG	EA	2
16	19	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK, TOOL BOX MTG	EA	2
16	20	PAOZZ	5305-00-942-2196	96906	MS90725-60	SCREW,CAP,HEXAGON, TOOL BOX MTG	EA	2
16	21	XBOZZ		25567	22768	TOOL BOX ASSEMBLY.....AGY	EA	1
16	21	XBOZZ		05748	38316	TOOL BOX.....BYJ	EA	1
16	22	PAOZZ	5310-00-732-0558	96906	MS51967-8	NUT,PLAIN,HEXAGON, SUCTION AND DISCHARGE MTG	EA	2
16	23	PAOZZ	5310-00-637-9541	96906	MS35338-46	WASHER,LOCK,SUCTION AND DISCHARGE MTG	EA	2
16	24	PAOZZ	5305-00-225-3838	96906	MS90725-4	SCREW,CAP,HEXAGON, SUCTION AND DISCHARGE BRACKET MTG	EA	2
16	25	PAOZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT, BRACKET TO FRAME	EA	4
16	26	XBOZZ		25567	11891	BRACKET,SUPPORT	EA	2
16	27	XBOZZ		25567	5884	PIN,SPRING,ANCHOR, SAFETY CHAIN	EA	2
16	28	MOOZZ		81348	RR-C-271, TYPE II, CLASS 2, TRADE NUMBER 5	CHAIN,SAFETY, REAR STAND	EA	4
16	29	PAOZZ	5315-00-139-7249	97403	13213E9843-1	PIN ASSEMBLY,STAND	EA	2
16	30	XBOZZ		25567	5228	RING,RETAINING, HAND STAND SAFETY CHAIN	EA	2
16	31	PAOZZ	5315-00-458-7484	97403	13213E9843-1	RING, SAFETY CHAIN	EA	4
16	32	XBOZZ		96906	MS35690-1002	NUT,PLAIN,HEXAGON, SUPPORT LEG MTG	EA	1
16	33	PAOZZ	5310-00-820-6453	96906	MS35338-50	WASHER,LOCK, SUPPORT LEG MTG	EA	2
16	34	PAOZZ	5310-00-823-8803	96906	MS27183-21	WASHER,FLAT, SUPPORT LEG MTG	EA	2
16	35	PAOZZ	5305-00-727-3804	96906	MS90725-165	SCREW,CAP,HEXAGON, SUPPORT LEG MTG	EA	2
16	36	XBOZZ		97403	13213E9819	STAND	EA	1
16	37	XBOZZ	5310-00-781-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON, REFLECTOR MTG,FRONT	EA	4
16	38	PAOZZ	5310-00-582-5969	96906	MS35338-44	WASHER,LOCK, REFLECTOR MTG,FRONT	EA	4

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
16	39	PAOZZ	5305-00-068-0902	96906	MS90725-6	SCREW,CAP,HEXAGON, REFLECTOR MTG	EA	4
16	40	PAOZZ	9905-00-202-3639	96906	MS35387-2	REFLECTOR,YELLOW, TRAILER,FRONT	EA	2
16	41	XBOZZ		25567	5884	PIN,SPRING,ANCHOR, SAFETY CHAIN	EA	1
16	42	XBOZZ		25567	52041	CHAIN,SAFETY, DRAWBAR	EA	2
16	43	XBOZZ		25567	6010	PIN, SAFETY CHAIN	EA	1
16	44	XBOZZ		25567	5220	RING,RETAINING, HAND STAND SAFETY CHAIN	EA	1
16	45	PAOZZ	9319-00-656-7464	97403	13213E9843-2	RING, SAFETY CHAIN	EA	3
16	46	XBOZZ	2540-01-022-0782	97403	13213E9821-1	TOWBAR,MOTOR VEHICLE	EA	1
16	47	XBPZZ		97403	13213E9818	FRAME,BASE	EA	1



TS 4320-242-24P/17

Figure 17. Wheels and Axle.

(1) ILLUSTRATION (a) FIG NO	(b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
17	1	XBOZZ		25567	5708	WHEEL ASSEMBLY	EA	2
17	2	XBOZZ		19207	5232404	.NUT,WHEEL, LH	EA	5
17	2	XBOZZ		19207	5232405	.NUT,WHEEL, RH	EA	5
17	3	XBOZZ		00000	7387807	.WHEEL,PNEUMATIC	EA	1
17	4	PAOZZ	5305-00-717-5460	96906	MS35307-359	.SCREW,CAP,HEXAGON, CAP MTG	EA	6
17	5	PAOZZ	5310-00-637-9541	96906	MS35338-46	.WASHER,LOCK, CAP MTG	EA	6
17	6	XAOZZ		00000	7733821	.CAP	EA	1
17	7	PAOZZ	5330-00-737-1109	19207	7371109	.GASKET, CAP TO HUB	EA	1
17	8	PBOZZ	5310-00-737-1106	19207	7371106	.NUT,HUB	EA	1
17	9	PBOZZ	5310-00-769-6520	19207	7696520	.WASHER, ADJUSTMENT NUT	EA	1
17	10	XBOZZ		00000	7371106	.NUT, BEARING ADJUSTMENT	EA	1
17	11	PBOZZ	5310-00-769-6521	19207	7696521	.WASHER,KEY, NUT LOCKING	EA	1
17	12	XAOZZ		60038	18590	.CONE AND ROLLERS	EA	1
17	13	PAOZZ	3110-00-183-9946	96906	MS19081-58	.BEARING,ROLLER	EA	1
17	14	XAOZZ		60038	18520	.CUP,TAPERED,ROLLER BEARING	EA	1
17	15	XAOZZ		05748	373755A	.HUB ASSEMBLY, LH	EA	1
17	15	XAOZZ		05748	373795A	.HUB ASSEMBLY, RH	EA	1
17	16	PAOZZ	5306-00-732-8294	05748	37377	.BOLT, LH WHEEL	EA	5
17	16	XBOZZ		05748	37380	.BOLT, RH WHEEL	EA	5
17	17	PAOZZ	3110-00-100-0332	60038	18520	.CUP,TAPERED, ROLLER BEARING	EA	1
17	18	PAOZZ	3110-00-183-9946	96906	MS19081-58	.BEARING,ROLLER, HUB	EA	1
17	19	XBOZZ	3110-00-180-3526	60038	18590	.CONE AND ROLLERS	EA	1
17	20	XBOZZ		96906	MS51001-30	.SEAL,PLAIN, ENCASED,GREASE	EA	1
17	21	XAOZZ		99024	71-100	.COLLAR	EA	2
17	22	PAOZZ	5310-00-768-0318	96906	MS51967-14	NUT,PLAIN,HEXAGON, BRACKET TO FRAME	EA	4
17	23	PAOZZ		96906	MS35338-48	WASHER,LOCK, BRACKET TO FRAME	EA	4
17	24	XBOZZ		97403	13206E8842-2	WASHER,BEVEL, TOP TO FRAME	EA	4
17	25	PAOZZ	5305-00-042-6417	96906	MS90725-113	SCREW,CAP,HEXAGON BRACKET TO FRAME	EA	4
17	26	PBFZZ	2530-00-119-9874	99024	L2-36-10-1	AXLE ASSEMBLY	EA	1
17	27	PAOZZ	5310-00-655-9544	96906	MS35690-604	.NUT	EA	2
17	28	XBOZZ	5310-00-261-7340	96906	MS35338-8	.WASHER,LOCK, TOP AND BOTTOM BRACKET	EA	2
17	29	XAOZZ		99024	72-823	.TOP, LH	EA	1
17	30	XBOZZ		05748	37575	.SCREW,CAP,HEXAGON, TOP AND BOTTOM BRACKET	EA	2
17	31	XAOZZ		99024	72-801	.BRACKET,AXLE,LH	EA	1
17	32	XAOZZ		99024	69-030	.BLOCK,SPACER INSERT AXLE BRACKET	EA	1
17	33	XAOZZ		05748	37361	.AXLE,SPINDLE	EA	1
17	34	XAOZZ		99024	68-643	.CLIP,SPRING	EA	2
17	35	PAOZZ	5310-00-655-9544	96906	MS35690-604	.NUT,PLAIN,HEXAGON, BRACKET TO BLOCK	EA	2
17	36	XBOZZ	5310-00-261-7340	96906	MS35338-8	.WASHER,LOCK, TOP AND BOTTOM BRACKET	EA	2
17	38	XBOZZ		05748	37575	.SCREW,CAP,HEXAGON, BRACKET TO BLOCK	EA	2

(1) ILLUSTRATION (a) FIG NO	(1) ILLUSTRATION (b) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) FSCM	(5) PART NUMBER	(6) DESCRIPTION / USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
17	39	XAOZZ		99024	72-802	.BRACKET,AXLE,RH	EA	1
17	40	XAOZZ		99024	69-030	.BLOCK,SPACER INSERT, AXLE BRACKET	EA	1
17	41	XAOZZ		99024	69-500	.SPRING,RH	EA	1
17	42	XAFZZ		99024	69-499	.SPRING,LH	EA	1
17	43	XBOZZ	2610-00-269-9586	96906	MS35388-9	TIRE	EA	2
17	44	PAOZZ	2610-00-269-7332	96906	MS35392-8	INNER TUBE, PNEUMATIC	EA	2

STOCK NUMBER	FIGURE NO.	ITEM NO.
4730-00-010-3867	10	4
9305-00-342-6417	2	13
9335-03-342-6417	13	2
9305-00-342-6417	17	25
9305-00-044-4193	16	5
9310-33-349-3296	7	28
9305-00-051-0827	15	3
9308-00-051-0827	15	9
6145-01-349-3528	4	8
9330-00-066-2494	1	4
9305-00-068-3531	13	14
9335-00-068-3502	4	5
9305-33-068-3502	6	3
9335-00-068-3532	13	14
9335-01-068-3532	16	3
9305-00-068-3502	16	39
4729-01-071-7967	3	8
3120-00-077-0596	13	37
9306-00-078-0144	13	24
4320-01-078-2521	13	42
4320-33-387-4135	13	45
9310-33-080-6034	10	9
9310-01-080-6034	10	13
9315-33-380-6034	13	18
9310-00-383-6034	16	16
9310-01-380-6034	16	25
9305-00-381-1376	13	29
9330-00-089-3911	13	39
9330-01-389-3912	11	15
9330-01-089-3912	11	18
9333-00-389-3912	12	7
9330-33-089-3912	12	10
9333-33-089-3912	12	16
9330-33-399-3912	12	20
9330-00-389-3912	14	25
4730-01-098-9160	14	20
3113-33-130-3932	17	17
3110-00-103-3524	17	19
3110-00-130-6155	14	12
2933-33-119-9874	17	26
4320-00-122-9988	13	10
4320-00-122-9990	13	26
6685-00-130-3967	6	11
4730-01-132-4625	3	20
6145-01-134-0828	4	2
4730-01-136-1119	3	12
4730-00-136-1119	10	3
5930-33-138-4997	7	14
9365-33-138-8146	13	45
4320-01-138-8147	13	42
4320-00-138-8149	14	1
4320-33-138-8161	7	1
4730-00-138-8164	19	3
4730-01-138-8169	14	5
4720-01-138-8190	13	6
2990-00-138-8263	7	25
2910-01-138-8274	3	15
9305-01-139-3219	8	8
9315-01-139-7249	14	29
9306-00-139-7937	15	13
9307-33-140-8149	13	2
9307-01-140-8149	13	22
2910-00-141-4758	3	14
4730-01-145-6231	13	21
3120-00-146-2933	13	27
3110-01-156-4856	13	33
9330-33-161-3798	9	13
9939-01-167-7775	7	11
3110-00-183-9946	17	13
3110-01-183-9946	17	18
9939-01-184-6737	7	10
4730-00-188-1855	14	6
9905-33-232-3639	16	48
9905-00-275-2795	16	4
9305-00-207-8253	13	14
9310-01-209-5116	2	14
9310-00-239-5116	13	3
9309-01-225-3838	16	15
9339-00-225-3838	16	24
9330-00-229-8503	13	8
9306-00-229-8503	13	46
9335-00-229-9181	14	12
9330-00-239-8383	10	28
5310-00-261-7340	17	28
5310-00-261-7340	17	36
5305-00-269-2835	9	10
5305-00-269-3213	1	3
5305-00-269-3213	2	5
5325-00-269-3213	2	10
5305-00-269-3213	3	3
5305-00-269-3213	10	16
5305-00-269-3214	10	7
5305-00-269-3214	10	11
5305-00-269-3214	12	5
5325-00-269-3215	11	5
5305-00-269-3215	11	13
5305-00-269-3215	12	4
5305-00-269-3215	12	14
5305-00-269-3215	12	19
2610-00-269-7332	17	44
2610-00-269-9586	17	43
5315-00-298-1481	19	31
3655-00-304-7479	14	17
5307-00-360-0720	10	2
5307-00-360-0720	11	10
5307-00-360-0720	11	19
5307-00-360-0720	12	11
5365-00-377-6983	13	41
5330-00-400-3569	9	7
2990-00-407-6393	1	6
9310-00-407-9566	13	9
9310-00-407-9566	13	25
9310-01-407-9566	14	9
5340-00-420-9693	16	10
5330-00-542-1098	14	21
4820-00-563-8318	10	1
6685-00-566-8856	6	14
4720-00-570-7788	6	7
9475-00-577-8825	16	12
9310-00-582-5965	6	6
9310-00-582-5965	6	2
9310-00-582-5965	13	19
9310-00-582-5965	16	2
9310-00-582-5965	16	38
5930-00-615-9376	7	16
5315-00-616-9514	10	24
5310-00-627-6128	2	3
5313-00-627-6128	2	4
9310-00-627-6128	2	8
9310-00-627-6128	2	9
4320-00-629-6388	13	38
5310-00-637-9541	1	2
5310-00-637-9541	2	2
5310-00-637-9541	2	7
9310-00-637-9541	3	2
5310-00-637-9541	9	9
5313-00-637-9541	10	6
5310-00-637-9541	10	12
5310-00-637-9541	10	17
5310-00-637-9541	10	20
5310-00-637-9541	11	4
5310-00-637-9541	11	9
5310-00-637-9541	11	12
5310-00-637-9541	11	17
5310-00-637-9541	12	3
5310-00-637-9541	12	9
5310-00-637-9541	12	13
5310-00-637-9541	12	18
5310-00-637-9541	13	44
5310-00-637-9541	14	23
5310-00-637-9541	16	14
5310-00-637-9541	16	19
5310-00-637-9541	16	23
5310-00-637-9541	17	5
4820-00-639-9224	3	13
4730-00-640-6156	12	1
4730-00-640-6188	11	2
5930-00-655-1922	7	19
5310-00-655-9546	17	27
5310-00-655-9546	17	35

STOCK NUMBER	FIGURE NO.	ITEM NO.
9330-03-436-7440	11	24
9315-00-436-7444	16	31
9315-00-436-7444	16	45
4730-00-436-7448	13	27
4820-00-436-7536	10	23
9330-03-684-7851	3	17
9330-03-690-8672	10	5
9305-00-717-5440	17	4
4930-03-718-8956	8	13
9305-00-723-9385	10	22
9335-03-723-9387	10	35
9305-03-724-5810	15	6
5307-03-725-3296	13	6
9305-03-727-1804	14	35
9310-03-732-3558	1	1
9310-03-732-3558	2	1
9310-03-732-3558	2	6
9310-00-732-3558	3	1
9310-03-732-3558	11	3
9310-03-732-3558	11	8
9310-03-732-3558	11	11
9310-00-732-3558	11	16
9310-03-732-3558	12	2
9310-00-732-3558	12	8
9310-00-732-3558	12	12
9310-00-732-3558	12	17
9310-00-732-3558	13	23
9310-00-732-3558	13	43
9310-03-732-3558	14	22
9310-03-732-3558	16	13
9310-00-732-3558	16	22
9330-03-732-7749	11	24
9330-03-732-7750	11	29
9330-00-732-7750	11	27
5306-03-732-8294	17	16
9310-03-737-1134	17	8
9330-00-737-1139	17	7
9310-00-761-4882	6	1
9310-00-761-4882	16	1
9310-00-761-4882	16	37
9310-03-763-8920	13	11
9310-00-763-8920	15	1
9310-00-763-8920	15	4
9310-03-763-8920	15	7
9310-00-768-0318	2	11
9310-00-768-0318	13	1
9310-03-768-3318	15	12
9310-00-768-0318	17	22
9310-03-769-6520	17	9
9310-03-769-6521	17	11
9315-00-772-9446	14	15
4440-03-775-5779	3	19
9330-03-779-2357	8	7
9330-04-785-0693	8	11
3040-00-800-4621	13	25
9345-00-831-9978	13	32
9345-04-803-9978	13	34
9310-00-811-3494	7	2
9310-00-811-3494	7	4
9935-00-813-4384	7	12
9310-00-820-6653	15	2
9310-00-820-6653	15	5
9310-00-820-6653	15	8
9310-00-820-6653	16	33
9310-00-823-8823	16	34
9310-00-834-8732	15	11
2540-00-835-9039	16	7
4730-00-840-5347	12	6
4730-00-840-5348	11	6
9315-00-842-3044	16	8
4820-00-845-1396	13	19
4820-00-845-1096	14	4
9310-00-851-2677	11	22
9310-00-877-5797	6	12
9310-00-877-5797	7	7
9310-00-877-5797	7	19
9310-00-880-2606	4	1
9310-00-880-2606	16	9
9305-00-886-2999	7	8
5310-00-891-1751	9	8
2910-00-893-2992	3	18
4930-00-896-7073	8	12
9330-00-899-4509	11	7
2910-00-905-9792	3	22
4320-00-910-4185	13	40
3110-00-934-7949	13	31
6685-00-934-7953	6	17
9310-00-934-9758	7	26
6140-00-935-2585	4	4
6140-00-935-2586	4	3
4320-00-936-3810	13	4
6620-00-938-8212	6	16
9305-00-942-2196	15	19
9305-00-942-2196	16	20
4820-00-950-7687	8	1
6680-00-956-2398	6	15
9305-00-984-6194	7	3
9305-00-984-6194	7	5
9305-00-984-6210	7	27
4820-00-986-1981	8	3
4730-00-986-1982	8	4
4730-00-986-1982	12	21
5360-00-986-1987	8	5
9305-00-989-7435	7	20
9305-00-995-3444	6	13
4730-01-004-5105	10	4
4820-01-004-8464	10	1
4730-01-005-2402	15	3
4730-01-005-2402	14	7
5330-01-005-4123	7	18
5340-01-005-4124	7	21
5310-01-007-6896	8	2
2540-01-021-0782	16	44
5999-01-032-9572	16	11
5340-01-038-3804	7	17
5340-01-045-5832	7	22

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
25967	AP12-34	13	23
03933	A1917	14	20
03933	A2628	14	17
03933	A3232	14	15
03933	A3467	14	18
03933	A3636	14	19
03993	A39318-8	14	13
03933	A4644	14	14
03933	B563	14	11
25967	C0606	12	2
25967	C0606	11	15
25967	C3606	11	19
25967	C3606	12	11
25967	C3607	18	6
81718	C252A	11	28
76364	C35759	9	1
76364	C35779	11	1

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
81718	C72R8	8	13
81718	C73B	8	12
81718	C74A	8	3
81718	C75R	8	11
81718	C987	11	26
81718	D17A	8	10
81718	D18R	8	14
81718	D19R	8	15
25967	D5361	10	1
81718	E2A	8	17
38508	H1254	6	17
81718	H2525	8	9
81718	H344R	11	21
81718	H4218R	11	20
81718	H477A	11	23
81718	H508R	11	24
81718	H643R	8	8
81718	H644RB	8	16

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
81718	H665B	8	4
81718	H666RB	8	6
81718	H667N	8	7
81718	H669M	8	5
81718	H778M	11	25
81718	H778M	11	27
81718	H959M	8	2
80343	J5146C	6	10
99024	L2-36-10-1	17	26
81349	MIL-O-2940	6	11
81349	MIL-H-13444	3	8
81349	MIL-H-13444	6	5
81349	MIL-H-13444	6	7
96906	MS150461	14	12
96906	MS16624-137	13	32
96906	MS16624-137	13	34
96906	MS16631-315	13	29
96906	MS19081-58	17	13
96906	MS19081-58	17	14
96906	MS21044N08	7	2
96906	MS21044N08	7	4
96906	MS21044N3	6	12
96906	MS21044N3	7	7
96906	MS21044N3	7	19
96906	MS24541-2	6	16
96906	MS24665-283	16	8
96906	MS24665-357	10	31
96906	MS25083-286	7	6
96906	MS27023-17	12	6
96906	MS27027-17	11	6
96906	MS27028-17	12	1
96906	MS27029-17	11	2
96906	MS27030-9	11	7
96906	MS27144-1	7	11
96906	MS27144-3	7	13
96906	MS27183-14	10	9
96906	MS27183-14	10	13
96906	MS27183-14	10	18
96906	MS27183-14	16	16
96906	MS27183-14	16	25
96906	MS27183-14	16	34
96906	MS27183-21	7	12
96906	MS3102R18-1S	7	15
96906	MS35058-30	7	16
96906	MS35059-21	7	8
96906	MS35206-217	7	3
96906	MS35206-246	7	5
96906	MS35206-246	7	27
96906	MS35206-263	7	20
96906	MS35207-264	6	13
96906	MS35207-266	13	14
96906	MS35307-308	17	4
96906	MS35307-359	2	3
96906	MS35335-35	2	4
96906	MS35335-35	2	8
96906	MS35335-35	2	9
96906	MS35335-35	2	14
96906	MS35335-37	13	3
96906	MS35335-37	7	28
96906	MS35338-43	4	6
96906	MS35338-44	6	2
96906	MS35338-44	13	15
96906	MS35338-44	16	2
96906	MS35338-44	16	38
96906	MS35338-44	13	9
96906	MS35338-45	13	25
96906	MS35338-45	14	9
96906	MS35338-45	1	2
96906	MS35338-46	2	2
96906	MS35338-46	2	7
96906	MS35338-46	3	2
96906	MS35338-46	9	9
96906	MS35338-46	10	8
96906	MS35338-44	10	12
96906	MS35338-46	10	17
96906	MS35338-46	10	20
96906	MS35338-46	11	4
96906	MS35338-46	11	9
96906	MS35338-46	11	12
96906	MS35338-46	11	17
96906	MS35338-46	12	3
96906	MS35338-46	12	9
96906	MS35338-46	12	13
96906	MS35338-46	12	18
96906	MS35338-46	13	44
96906	MS35338-46	14	23
96906	MS35338-46	16	14
96906	MS35338-46	16	19
96906	MS35338-46	16	23
96906	MS35338-46	17	5
96906	MS35338-48	2	12
96906	MS35338-48	16	6
96906	MS35338-48	17	23
96906	MS35338-50	15	2
96906	MS35338-50	15	5
96906	MS35338-50	15	8
96906	MS35338-50	16	33
96906	MS35338-8	17	28
96906	MS35338-8	17	36
96906	MS35387-1	16	4
96906	MS35387-2	16	40
96906	MS35388-9	17	43
96906	MS35392-8	17	44
96906	MS35425-42	4	1
96906	MS35425-42	16	9
96906	MS35643-1	3	17
96906	MS35644-1	3	18
96906	MS35645-1	3	16
96906	MS35649-202	7	26
96906	MS35690-1002	16	32
96906	MS35690-502	14	8
96906	MS35690-602	16	18
96906	MS35690-604	17	27
96906	MS35690-604	17	35
96906	MS35691-22	9	8
96906	MS35691-33	15	11
96906	MS35691-49	11	22
96906	MS35756-6	10	24
96906	MS35763-819	13	24
96906	MS35916-1	6	15
96906	MS35932-2	3	13
96906	MS51001-19	13	30
96906	MS51001-198	13	36
96906	MS51001-30	17	20
96906	MS51071-9	6	5
96906	MS51086-1	3	22
96906	MS51335-2	16	7
96906	MS51963-63	10	33
96906	MS51963-65	10	22
96906	MS51967-14	2	11
96906	MS51967-14	13	1
96906	MS51967-14	15	12
96906	MS51967-14	17	22
96906	MS51967-2	6	1
96906	MS51967-2	16	1
96906	MS51967-2	16	37
96906	MS51967-20	13	11
96906	MS51967-20	15	1
96906	MS51967-20	15	4
96906	MS51967-20	15	7
96906	MS51967-8	1	1
96906	MS51967-8	2	1
96906	MS51967-8	2	6
96906	MS51967-8	3	1
96906	MS51967-8	11	3
96906	MS51967-8	11	8
96906	MS51967-8	11	11
96906	MS51967-8	11	16
96906	MS51967-8	12	2
96906	MS51967-8	12	8
96906	MS51967-8	12	12
96906	MS51967-8	12	17
96906	MS51967-8	13	23
96906	MS51967-8	13	43
96906	MS51967-8	14	22
96906	MS51967-8	16	13
96906	MS51967-8	16	22
96906	MS75047-1	4	9
96906	MS90725-109	16	5
96906	MS90725-113	2	13

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
96906	MS90725-113	13	2
96906	MS90725-113	17	25
96906	MS90725-162	15	6
96906	MS90725-164	15	3
96906	MS90725-164	15	9
96906	MS90725-165	16	35
96906	MS90725-36	14	10
96906	MS90725-39	13	8
96906	MS90725-39	13	46
96906	MS90725-4	16	15
96906	MS90725-4	16	24
96906	MS90725-5	13	14
96906	MS90725-6	4	5
96906	MS90725-6	4	3
96906	MS90725-6	13	14
96906	MS90725-6	16	3
96906	MS90725-6	16	39
96906	MS90725-60	10	19
96906	MS90725-60	16	20
96906	MS90725-62	1	3
96906	MS90725-62	2	5
96906	MS90725-62	2	10
96906	MS90725-62	3	3
96906	MS90725-62	10	16
96906	MS90725-64	10	7
96906	MS90725-64	10	11
96906	MS90725-64	12	5
96906	MS90725-65	11	5
96906	MS90725-65	11	13
96906	MS90725-65	12	4
96906	MS90725-65	12	14
96906	MS90725-65	12	19
96906	MS90726-62	9	10
96906	MS9350-10	6	4
25567	N0206	10	26
25567	P04	3	12
25567	P04	10	3
25567	P06	10	4
25567	P24	13	21
61463	P282	14	2
25567	S1537	16	31
25567	S1537	16	45
25567	S2041	16	28
25567	S2041	16	42
25567	S2046	3	20
25567	S2047	3	11
25567	S2048	3	9
25567	S2049	3	10
25567	S708	17	1
25567	S884	16	27
25567	S884	16	41
80204	USAS-804.1	4	14
05748	01487	13	17
05748	01488	13	16
05748	02417	10	2
05748	02417	13	22
05748	03207	13	21
05748	03217	10	3
05748	03217	14	7
05748	03226	14	5
05748	03262	14	6
25567	11741	13	38
25567	11742	13	47
25567	11742GA	13	39
25567	11744	13	45
25567	11745G	13	13
25567	11746	13	17
25567	11747	13	42
25567	11749	13	4
25567	11751	13	16
25567	11847	13	37
25567	11889	13	12
25567	11890	16	17
25567	11891	16	26
25567	13053	3	14
25567	13056	15	10
25567	13385	16	10
97403	13206E0642	1	4
97403	13206E8842-2	17	24
97403	13213E9818	16	47

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
97403	13213E9819	16	36
97403	13213E9821-1	16	46
97403	13213E9822	3	4
97403	13213E9822-2	3	5
97403	13213E9823	3	6
97403	13213E9823-2	3	7
97403	13213E9825	3	21
97403	13213E9826	3	19
97403	13213E9827	2	15
97403	13213E9829	4	7
97403	13213E9831	13	28
97403	13213E9832	4	2
97403	13213E9834	13	26
97403	13213E9835	13	35
97403	13213E9836	13	33
97403	13213E9837	13	10
97403	13213E9838	13	31
97403	13213E9840	13	27
97403	13213E9843-1	16	29
97403	13213E9844	13	40
79403	13213E9845	15	14
97403	13213E9846	15	15
97403	13213E9847	7	24
97403	13213E9848	7	1
97403	13213E9849-1	15	13
97403	13213E9850	7	9
97403	13213E9851	7	23
97403	13213E9852-1	7	17
97403	13213E9852-2	7	22
97403	13213E9853	7	25
97403	13213E9854-1	4	4
97403	13213E9854-2	4	3
97403	13213E9856	7	31
97403	13213E9859	5	1
97403	13213E9861	5	2
97403	13213E9863	7	13
97403	13213E9864	4	8
97403	13214E6103	1	6
97403	13216E8178	2	16
97403	13216E8179	7	14
05748	15000	10	4
05748	15675	16	12
73680	162	10	28
60038	18520	17	14
60038	18520	17	17
60038	18590	17	12
60038	18590	17	19
25567	2X	13	41
76364	2093N	9	10
76364	22108N	11	28
25567	22768	16	21
76364	23258N	9	11
76364	26408	9	12
05748	28006SA	16	11
76364	2855N	9	4
76364	3042N	9	13
76364	31112N	9	2
76364	3158L	11	22
76364	3673N	9	6
05748	37361	17	33
05748	373755A	17	15
05748	37377	17	16
05748	373795A	17	15
05748	37380	17	16
05748	373965A	3	15
05748	374265A	13	4
05748	37437	11	14
05748	374585A	14	1
05748	374595A	10	1
05748	37461	12	21
05748	37466	16	17
05748	37501	7	18
05748	37502	7	21
05748	37517	11	29
05748	37518	7	30
05748	37519	7	29
05748	37527	13	7
05748	37528	13	5
05748	37529	13	6
05748	37531	14	3

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
05748	37575	17	30
05748	37575	17	38
05748	37578	1	5
05748	37683	13	13
05748	37716	13	47
05748	37717	13	12
05748	38063	13	20
05748	38101	10	33
05748	38128	10	34
05748	38141	10	29
05748	38159	10	35
05748	38212	14	16
05784	38294	13	18
05748	38316	16	21
05748	38390	13	42
05748	38419	13	45
25567	3847	10	27
25567	3848	10	25
25567	3855	10	13
25567	3855	10	14
25567	3856	10	32
81349	4A084-3	2	17
76364	40192N	11	23
76364	4227L	11	20
76364	4253E	9	14
76364	437N	9	15
76364	438N	9	16
76364	469N	11	21
25567	5190G	14	21
25567	5228	16	30
25567	5228	16	44
19207	5232404	17	2
19207	5232405	17	2
25567	5360	10	35
25567	5362	10	30
25567	5363	10	21
25567	5364	10	23
25567	5365	10	34
25567	5371GB	10	5
25567	5372GC	11	15
25567	5372GC	11	18
25567	5372GC	12	7
25567	5372GC	12	10
25567	5372GC	12	16
25567	5372GC	12	20
25567	5372GC	14	25
25567	5453A	14	24
25567	6010	16	43
25567	6031	11	29
25567	6270	10	15
76364	65107U	9	7
79470	6660	13	19
79470	6660	14	4
76364	6675N	11	24
76364	6686N	9	17
81718	676	8	1
99024	68-643	17	34
99024	69-030	17	32
99024	69-030	17	40
99024	69-499	17	42
99024	69-500	17	41
99024	71-100	17	21
76364	71072N	9	5
99024	72-801	17	31
99024	72-802	17	39
99024	72-823	17	29
76364	7231N4	11	27
00000	7371106	17	10
19207	7371106	17	8
19207	7371109	17	7
00000	7387807	17	3
76364	76112	9	3
19207	7696520	17	9
19207	7696521	17	11
00000	7735821	17	6
25567	8514	12	15
81718	87TF4	11	1

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:
To be distributed in accordance with DA Form 12-25A, Organizational Maintenance requirements for Equipment, Miscellaneous: Petroleum Distribution.

☆ U. S. GOVERNMENT PRINTING OFFICE : 1990 O - 262-912 (30552)

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)
PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MO. 63108

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 5-4320-242-24P	28 May 82	Pumping Assembly, Flammable Liquid

BE EXACT. . . PIN-POINT WHERE IT IS

PAGE NO	PARAGRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	
125	line 20		

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 Cylenders. The engine on my set only has 4 Cylenders. Change the manual to show 4 Cylenders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER
JOHN DOE, PFC (268) 317-7111

SIGN HERE John Doe
JOHN DOE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M Overprint 1, 1 Nov 80

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

TEAR ALONG PERFORATED LINE

COMMANDER
U S ARMY SUPPORT AND AVIATION MATERIEL READINESS COMMAND
ATTN: DRSTS-MPSD
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 5-4320-242-24P	28 May 82	Pumping Assembly,Flammable Liquid

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M Overprint 2, 1 Nov 80.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

TEAR ALONG PERFORATED LINE

REVERSE OF DA FORM 2028-2 Reverse of DRSTS-M Overprint 1, 1 Nov 80

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

_____

_____

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314

COMMANDER
U S ARMY SUPPORT AND AVIATION MATERIEL READINESS COMMAND
ATTN: DRSTS-MPSD
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 5-4320-242-24P	28 May 82	Pumping Assembly, Flammable Liquid

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M Overprint 2, 1 Nov 80.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

_____

_____

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314

U.S. MAIL

TEAR ALONG PERFORATED LINE

COMMANDER
U S ARMY SUPPORT AND AVIATION MATERIEL READINESS COMMAND
ATTN: DRSTS-MPSD
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 5-4320-242-24P	28 May 82	Pumping Assembly, Flammable Liquid

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M Overprint 2, 1 Nov 80.

P S --IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

TEAR ALONG PERFORATED LINE

TEAR ALONG PERFORATED LINE

FILL IN YOUR UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY
DOD 314

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

COMMANDER
U S ARMY SUPPORT AND AVIATION MATERIEL READINESS COMMAND
ATTN: DRSTS-MPSD
4300 GOODFELLOW BOULEVARD
ST. LOUIS, MO 63120

The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
1 decimeter = 10 centimeters = 3.94 inches
1 meter = 10 decimeters = 39.37 inches
1 dekameter = 10 meters = 32.8 feet
1 hectometer = 10 dekameters = 328.08 feet
1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
1 decigram = 10 centigrams = 1.54 grains
1 gram = 10 decigram = .035 ounce
1 dekagram = 10 grams = .35 ounce
1 hectogram = 10 dekagrams = 3.52 ounces
1 kilogram = 10 hectograms = 2.2 pounds
1 quintal = 100 kilograms = 220.46 pounds
1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
1 deciliter = 10 centiliters = 3.38 fl. ounces
1 liter = 10 deciliters = 33.81 fl. ounces
1 dekaliter = 10 liters = 2.64 gallons
1 hectoliter = 10 dekaliters = 26.42 gallons
1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	*To*	*Multiply by*	*To change*	*To*	*Multiply by*
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C